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=> file polymers
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SESSION 0.21
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=> s composition
18 FILES SEARCHED...
L1 4605420 COMPOSITION

=> s l1 and starch
L2 153272 L1 AND STARCH

=> s l2 and (cationi? (w) modif?)
L3 469 L2 AND (CATIONI? (W) MODIF?)

=> s l3 and (degree (w) substitution)
L4 0 L3 AND (DEGREE (W) SUBSTITUTION)

=> s l3 and (alkonium or ammonium)
L5 332 L3 AND (ALKONIUM OR AMMONIUM)

=> s l5 and (benzalkonium or cetyl)
L6 72 L5 AND (BENZALKONIUM OR CETYL)

=> s l6 and (personal (w) care or adhesive or flocculent or cagulent or drift)
18 FILES SEARCHED...

L7 37 L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGULENT OR DRIFT)

=> dis 17 1-37 bib abs

L7 ANSWER 1 OF 37 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467782 PROMT
TI Chemical tradenames. (Q-Z). (list of chemical companies throughout the world with contact data) (Industry Overview) (Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 497(9).
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 12518

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB QDO DBQDO: Vulcanizing agents -- Lord Corporation, Chemical Product

Division

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L7 ANSWER 2 OF 37 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467781 PROMT

TI Chemical tradenames. (F-P). (list of chemical companies throughout the world with contact data) (Industry Overview) (Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 486(12).

ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 18020

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB F-1000, 2000, 2100, 2200, 2300, 3600, 4400: Aluminum hydroxide dried gel
-- Reheis Inc

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L7 ANSWER 3 OF 37 USPATFULL

AN 2003:99246 USPATFULL

TI Thickener-rheology modifier system for **personal care compositions**

IN Sorrentino, Paul M., Monmouth Jct., NJ, UNITED STATES

Cottrell, Ian W., Princeton, NJ, UNITED STATES

Pluyer, Johan G.L., East Millstone, NJ, UNITED STATES

Babenko, Tamara, Bridgewater, NJ, UNITED STATES

PI US 2003068350 A1 20030410

AI US 2002-195677 A1 20020712 (10)

RLI Division of Ser. No. US 1998-134221, filed on 14 Aug 1998, GRANTED, Pat. No. US 6447803

DT Utility

FS APPLICATION

LREP Karen G. Kaiser, Intellectual Property, NATIONAL STARCH AND CHEMICAL COMPANY, P. O. Box 6500, Bridgewater, NJ, 08807-0500

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 554

AB A thickener-rheology modifier system for use in hair care and skin care **compositions** comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of:

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.¹ is H, C.₁₋₄ alkyl, or --CH₂COOX; R is --COOX and R.¹ is H or --CH₂COOX; and R is CH₃ and R.¹ is H, C.₁₋₄ alkyl or --CH₂COOX; and X is H or C.₁₋₄ alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH₂dbd.CYZ

where Y is H or CH₂ and Z is ##STR2##

where R is C₁ to C₄ alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH₂ and R'' is H, CH₂, --COOH or --CH₂COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

L7 ANSWER 4 OF 37 USPATFULL
AN 2003:89008 USPATFULL
TI Stable alkaline hair bleaching compositions and method for use thereof
IN Dias, Louis Carlos, Virginia Water, UNITED KINGDOM
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6540791 B1 20030401
AI US 2000-537451 20000327 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Gupta, Yogendra N.; Assistant Examiner: Hamlin, D G
LREP Paul, Andrew A., Rosnell, Tara M., Miller, Steven W.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2766
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An alkaline hair bleaching composition comprising (a) from about 0.01% to about 12%, by weight, of at least one oxidizing agent; (b) from about 0.2% to about 20%, by weight, of a buffering system, present in an amount sufficient to generate a pH of the composition in the range from about 5 to about 11, wherein said buffering system comprises at least one pH modifying ingredient selected from the group consisting of (i) borates buffers, (ii) alkalinizing agents, and mixtures thereof; (c) from about 150 ppm to about 5,000 ppm of at least one stabilizer; and (d) from about 0.01% to about 50%, by weight, of at least one hair care ingredient selected from the group consisting of (i) surfactants, (ii) catalysts, (iii) thickeners, (iv) conditioners, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 37 USPATFULL
AN 2003:9367 USPATFULL
TI Ink set, process for forming colored portion and ink-jet recording apparatus
IN Takahashi, Katsuhiko, Kanagawa, JAPAN
Tochihara, Shinichi, Kanagawa, JAPAN
Kurabayashi, Yutaka, Tokyo, JAPAN
Tomioka, Hiroshi, Tokyo, JAPAN
Ogasawara, Masashi, Tokyo, JAPAN

PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)
PI US 2003007051 A1 20030109
AI US 2002-137377 A1 20020503 (10)
PRAI JP 2001-1404652001 20010510
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY,
10112
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 2781

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides an ink set, a process for forming a colored portion and an ink-jet recording apparatus which are used for obtaining higher-quality ink-jet recorded articles. The ink set comprises an aqueous ink containing at least an ultrafinely particulate pigment as a coloring material and an aqueous liquid **composition** containing fine particles, dispersed therein and electrically charged at the surface in a polarity opposite to the ink.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 37 USPATFULL
AN 2002:344625 USPATFULL
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
PA BASF Akiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 2002198359 A1 20021226
US 6541564 B2 20030401
AI US 2002-127508 A1 20020423 (10)
PRAI DE 2001-125138 20010522
DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1768

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 37 USPATFULL
AN 2002:238635 USPATFULL
TI Anti-dandruff and conditioning shampoos containing polyalkylene glycols and cationic polymers
IN Dunlop, David Scott, Mason, OH, United States
Guskey, Susan Marie, Montgomery, OH, United States
Leyba, Vicente Eduardo, Los Ruices, VENEZUELA
Royce, Douglas Allan, Aurora, IN, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)

PI US 6451300 B1 20020917
AI US 2000-558447 20000425 (9)
PRAI US 1999-132869P 19990503 (60)

DT Utility
FS GRANTED

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, S.
LREP Peebles, Brent M., Paul, Andrew A., Rosnell, Tara M.

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 1991

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an effective amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight of the **composition**, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight of the **composition**, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight of the **composition**, of an anti-dandruff particulate; (D) from about 0.02% to about 5%, by weight of the **composition**, of at least one cationic polymer; (E) from 0.005% to about 1.5%, by weight of the **composition**, of a polyalkylene glycol corresponding to the formula: H(OCH₂--CHR).sub.n--OH, (i) wherein R is selected from the group consisting of hydrogen, methyl and mixtures thereof, (ii) wherein n is an integer having an average value from about 1,500 to about 120,000; and (F) water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 37 USPATFULL
AN 2002:221039 USPATFULL
TI **Compositions** useful for regulating hair growth containing metal complexes of oxidized carbohydrates
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES
PI US 2002119174 A1 20020829
AI US 2001-909440 A1 20010719 (9)
PRAI US 2000-220756P 20000726 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, SHARON WOODS TECHINICAL CENTER, 11511 REED HARTMAN HIGHWAY, CINCINNATI, OH, 45241
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3342

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable cosmetic, dermatological, or pharmaceutical **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate; wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate nor lithium gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle, wherein the vehicle comprises at least about 5%, by weight of the **composition**, of propylene glycol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 37 USPATFULL
AN 2002:191165 USPATFULL
TI Shampoos providing a superior combination anti-dandruff efficacy and

condition
IN Dunlop, David Scott, Mason, OH, UNITED STATES
Boyd, Roberta Atwood, Cincinnati, OH, UNITED STATES
Guskey, Susan Marie, Montgomery, OH, UNITED STATES
Schwartz, James Roberts, Cincinnati, OH, UNITED STATES
Marchetta, Anthony Raymond, Mason, OH, UNITED STATES
PI US 2002102228 A1 20020801
AI US 2000-558465 A1 20000425 (9)
PRAI US 1999-132867P 19990503 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL
CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2634
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are shampoo **compositions** that provide a superior
combination of anti-dandruff efficacy and conditioning, and a method of
cleansing and conditioning the hair comprising applying to the hair and
scalp an amount of said **compositions**. The anti-dandruff and
conditioning shampoos comprise: (A) from about 5% to about 50%, by
weight, of an anionic surfactant; (B) from about 0.01% to about 10%, by
weight, of a non-volatile conditioning agent; (C) from about 0.1% to
about 4%, by weight, of an anti-dandruff agent; (D) from about 0.02% to
about 5%, by weight, of at least one cationic polymer; and (E) water.
The **compositions** (A) have a bioavailability/coverage index
value, as defined herein, of at least about 1.25; (B) have a first
conditioning index value, as defined herein, of less than or equal to
about 1.0; (C) have a second conditioning index value, as defined
herein, of at least about 1.5; and (D) have a minimal inhibitory
concentration index value, as defined herein, of at least about 0.125.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 37 USPATFULL
AN 2002:140041 USPATFULL
TI Ink-jet recording material and use of the same
IN Tachikawa, Masashi, Tokyo, JAPAN
Kaneko, Satoshi, Tokyo, JAPAN
PI US 2002071018 A1 20020613
AI US 2001-867590 A1 20010531 (9)
PRAI JP 2000-168668 20000606
JP 2000-223303 20000725
DT Utility
FS APPLICATION
LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,
20036-3307
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1262
AB There are disclosed an ink-jet recording material for back lit use
having a light transmitting support and an ink-receptive layer provided
on the support, wherein the ink-receptive layer comprises a hydrophilic
polymer and an inorganic pigment having an average particle diameter of
0.5 to 10 .mu.m, or it comprises an inorganic fine particles having an
average primary particle diameter of 3 to 50 nm and an average secondary
particle diameter of less than 0.5 .mu.m, a hydrophilic polymer and an
inorganic pigment having an average particle diameter of 0.5 to 10
.mu.m, and a Haze value of the ink receptive layer defined by JIS-K-7105
is 25% or less and an image clarity C value of a surface of the ink
receptive layer defined by JIS-H-8686 is 85% or less, and relates to a

use thereof, preferably, a contact angle of a surface of the ink-jet recording material for a back lit use with water is 13 to 35.degree. while one with linseed oil is 8 to 20.degree..

L7 ANSWER 11 OF 37 USPATFULL
AN 2002:135890 USPATFULL
TI Recording medium, production process of the recording medium, and image forming process using the recording medium
IN Ichinose, Hirofumi, Tokyo, JAPAN
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)
PI US 6402316 B1 20020611
AI US 1999-471226 19991223 (9)
PRAI JP 1998-373139 19981228
DT Utility
FS GRANTED
EXNAM Primary Examiner: Le, N.; Assistant Examiner: Feggins, K.
LREP Fitzpatrick, Cella, Harper & Scinto
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 1056
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A recording medium for use in ink-jet recording. The recording medium has a substrate and at least one porous resin layer formed on the substrate. The porous resin layer comprises heteromorphic microspheres formed of a thermoplastic resin. The invention also encompasses a process for producing a recording medium having at least one porous resin layer on a substrate. The process includes the steps of applying to the substrate a coating formulation comprising polymer colloid in which heteromorphic microspheres are dispersed, and drying the coating formulation at a temperature lower than the lowest film-forming temperature of the heteromorphic microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 37 USPATFULL
AN 2002:78790 USPATFULL
TI THICKENER-RHEOLOGY MODIFIER SYSTEM FOR PERSONAL CARE COMPOSITIONS
IN SORRENTINO, PAUL M., MONMOUTH JCT., NJ, UNITED STATES
COTTRELL, IAN W., PRINCETON, NJ, UNITED STATES
PLUYER, JOHAN G., EAST MILLSTONE, NJ, UNITED STATES
BABENKO, TAMARA, BRIDGEWATER, NJ, UNITED STATES
PI US 2002042448 A1 20020411
US 6447803 B2 20020910
AI US 1998-134221 A1 19980814 (9)
DT Utility
FS APPLICATION
LREP LARELEE A. DUNCAN, NATIONAL STARCH AND CHEMICAL COMPANY, P.O. BOX 6500, BRIDGEWATER, NJ, 08807-0500
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 555
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thickener-rheology modifier system for use in hair care and skin care compositions comprising:

- a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of
 - i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.sup.1 is H, C.sub.1-C.sub.4 alkyl, or --CH.sub.2COOX; R is --COOX and R.sup.1 is H or --CH.sub.2COOX; and R is CH.sub.3 and R.sup.1 is H, C.sub.1-C.sub.4 alkyl or --CH.sub.2COOX; and X is H or C.sub.1-C.sub.4 alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH.sub.2.dbd.CYZ

where Y is H or CH.sub.3 and Z is ##STR2##

where R is C.sub.1 to C.sub.4 alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH.sub.3 and R" is H, CH.sub.3, --COOH or --CH.sub.2COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 37 USPATFULL
AN 2002:69591 USPATFULL
TI Modified starch solutions and their use in **personal care**
IN Melby, Allan L., Cranberry Township, PA, United States
Gunther, Manfred, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Gaffney, Tammy W., New Castle, PA, United States
Matz, Gary F., Carnegie, PA, United States
PA Calgon Corporation, Naperville, IL, United States (U.S. corporation)
PI US 6365140 B1 20020402
AI US 2000-717958 20001120 (9)
PRAI US 1999-168939P 19991203 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.; Assistant Examiner: Willis, Michael A.
LREP Brumm, Margaret M., Breininger, Thomas M.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 932
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are novel aqueous modified starch solutions, such solutions can contain high levels of the modified starch and remain stable such that on standing, the solution does not form a precipitate, become a non pourable gel, separate or spoil due to attack from microorganisms. The use of the novel aqueous modified starch solutions in a cosmetically acceptable medium for the treatment of a keratin-containing substrate is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 37 USPATFULL
AN 2002:61235 USPATFULL
TI Method of regulating hair growth using metal complexes of oxidized carbohydrates
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES
PA The Procter & Gamble Company (U.S. corporation)
PI US 2002035070 A1 20020321
AI US 2001-909441 A1 20010719 (9)
PRAI US 2000-220755P 20000726 (60)
DT Utility
FS APPLICATION
LREP Brent M. Peebles, The Procter & Gamble Company, Sharon Woods Technical Center, 11511 Reed Hartman Highway, Cincinnati, OH, 45241
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3276
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for regulating the growth of hair comprising administering to a mammal, an effective amount of a composition comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate, wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 37 USPATFULL
AN 2002:36617 USPATFULL
TI Non-contact information recording medium for ink-jet recording and image forming process
IN Shino, Yoshiyuki, Kanagawa, JAPAN
Higuma, Masahiko, Chiba, JAPAN
PI US 2002021330 A1 20020221
AI US 2001-900008 A1 20010709 (9)
PRAI JP 2000-208994 20000710
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 823
AB Disclosed herein is a non-contact information recording medium for ink-jet recording, on and from which information can be recorded and read in a non-contact state from the outside, comprising an electronic information storing circuit part and an image recording part, wherein at least part of the electronic information storing circuit part has an ink/circuit-part barrier structure by which the circuit part undergoes no circuit trouble caused by an ink applied to the image recording part.

L7 ANSWER 16 OF 37 USPATFULL
AN 2002:9654 USPATFULL
TI Cleansing articles for skin and/or hair which also deposit skin care actives
IN Albacarys, Lourdes Dessus, West Chester, OH, United States
McAtee, David Michael, Mason, OH, United States
Deckner, George Endel, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6338855 B1 20020115
AI US 1999-296334 19990422 (9)
RLI Continuation-in-part of Ser. No. US 1998-65991, filed on 24 Apr 1998, now abandoned Continuation-in-part of Ser. No. US 1997-974033, filed on 19 Nov 1997, now abandoned Continuation-in-part of Ser. No. US 1996-738145, filed on 25 Oct 1996, now abandoned Continuation of Ser. No. US 1996-738668, filed on 25 Oct 1996, now abandoned
PRAI US 1998-83015P 19980424 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Criares, Theodore J.
LREP Allen, George W., Matthews, Armina E., Tsuneki, Fumiko
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3405
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair and delivering skin care actives onto the skin or hair. These articles are used by the consumer by (i) wetting the dry article with water and (ii) generating lather by subjecting the wetted article to mechanical forces, e.g., rubbing. The article comprises a water insoluble substrate, a lathering surfactant, and a skin care active component. Preferably, the articles of the present invention further comprise a deposition aid and/or a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 17 OF 37 USPATFULL
AN 2001:111814 USPATFULL
TI Antiperspirant compositions
IN Fletcher, Neil Robert, Wirral, United Kingdom
Kanda, Miyuki, Tochigi-ken, Japan
Ketelson, Howard Allen, London, Canada
Turner, Graham Andrew, Wirral, United Kingdom
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Chicago, IL, United States (U.S. corporation)
PI US 6261543 B1 20010717
AI US 1999-416104 19991012 (9)
PRAI GB 1998-22518 19981015
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dodson, Shelley A.
LREP Boxer, Matthew
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1238
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsions which exhibit excellent phase stability even in the presence of an effective concentration of antiperspirant salts in solution and which are thickened are obtainable by dispersing a hydratable polymer and particularly an amphoteric or cationic modified starch in an aqueous emulsion forming a viscous emulsion, often at an elevated temperature, subjecting the emulsion to high shear, thereby reducing the droplet size of the dispersed oil phase, bringing the emulsion to below 40.degree. C. and introducing the antiperspirant, preferably in aqueous solution. The viscous emulsion subjected to high shear mixing desirably has a Sheer Stress of 10 to 500 Pa. The resultant emulsions show good phase stability even when they contain aluminium/ zirconium antiperspirant

salts that promote instability and even at elevated storage temperatures such as at 50.degree. C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 18 OF 37 USPATFULL
AN 2001:71085 USPATFULL
TI Topical Products as prophylactic of curative agents for bacterial skin infections
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 6231848 B1 20010515
WO 9814199 19980409
AI US 1999-269333 19990325 (9)
WO 1997-EP5291 19970926
19990325 PCT 371 date
19990325 PCT 102(e) date
PRAI DE 1996-19640364 19960930
DT Utility
FS Granted
EXNAM Primary Examiner: Kulkosky, Peter F.
LREP Keil & Weinkauf
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to topical products intended for use as prophylactic or curative agents for bacterial skin infections, containing at least one polymeric complex substantially consisting of hydrogen peroxide, a suitable polymer for the complex formation thereof, possibly another bactericidal compound and possibly a metal salt or a metal colloid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 19 OF 37 USPATFULL
AN 2001:25445 USPATFULL
TI Cleansing and conditioning products for skin or hair with improved deposition of conditioning ingredients
IN Hasenoehrl, Erik John, Loveland, OH, United States
McAtee, David Michael, Mason, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 6190678 B1 20010220
AI US 1998-148540 19980904 (9)
PRAI US 1997-58093P 19970905 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Jarvis, William R. A.; Assistant Examiner: Kim, Vickie
LREP Tsuneki, Fumiko, Allen, George W.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing product useful for both cleansing and consistently conditioning the skin or hair. These products are used by the consumer by wetting the dry product with water. The product comprises of a water insoluble substrate, a lathering surfactant, and a conditioning

component having a lipid hardness value of at least about 0.02 kg. This invention also encompasses methods for providing consistent deposition of conditioning agents to the skin or hair. The invention also encompasses methods for cleansing and conditioning the skin or hair using these products and to methods for manufacturing these products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 20 OF 37 USPATFULL
AN 2000:174084 USPATFULL
TI Personal care compositions containing
thermoplastic elastomeric graft copolymers
IN Torgerson, Peter Marte, Washington Court House, OH, United States
Midha, Sanjeev, Blue Ash, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 6165455 20001226
AI US 1997-897397 19970721 (8)
RLI Continuation of Ser. No. US 1995-445267, filed on 19 May 1995, now
abandoned which is a continuation of Ser. No. US 1994-269246, filed on
30 Jun 1994, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Kulkosky, Peter F.
LREP Murphy, Stephen T.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2374

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to hair care compositions
containing nonpolar graft thermoplastic elastomeric copolymers and a
water insoluble volatile solvent for the copolymer. This invention
relates to styling products such as sprays and mousses, to hair
conditioning products such as rinses and leave on conditioners, and to
shampoo products useful for both cleansing and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 21 OF 37 USPATFULL
AN 2000:160606 USPATFULL
TI Cleansing and conditioning article for skin or hair
IN McAtee, David Michael, Mason, OH, United States
Nissing, Nicholas James, Cincinnati, OH, United States
Hasenoehrl, Erik John, Loveland, OH, United States
Cabell, David William, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 6153208 20001128
AI US 1998-152034 19980911 (9)
PRAI US 1997-58608P 19970912 (60)
US 1998-72440P 19980126 (60)
US 1998-85495P 19980514 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina
LREP Allen, George W., Tsuneki, Fumiko
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 3452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable,
personal cleansing article useful for both cleansing the skin or hair,

and more particularly to a disposable, cleansing article having a substrate which preferably comprises of multiple layers. These articles are used by the consumer by wetting the dry article with water. The article comprises a water insoluble substrate having at least a first portion that is wet extensible and at least a second portion that is less wet extensible than said first portion and a lathering surfactant. Preferably, the articles of the present invention further comprise a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 22 OF 37 USPATFULL
AN 2000:64839 USPATFULL
TI Aqueous solution **compositions** comprising polymer hydrogel **compositions**
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, United Kingdom
Aronson, Michael Paul, West Nyack, NY, United States
PA Lever Brothers Company, New York, NY, United States (U.S. corporation)
PI US 6066613 20000523
AI US 1997-965138 19971106 (8)
RLI Division of Ser. No. US 1996-703116, filed on 27 Aug 1996, now patented,
Pat. No. US 5726138
DT Utility
FS Granted
EXNAM Primary Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1436
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 23 OF 37 USPATFULL
AN 1999:102422 USPATFULL
TI Polymer/hydrogen peroxide complexes
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of
Reich, Hans-Bernd, Neuhofen, Germany, Federal Republic of
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 5945032 19990831
AI US 1997-935656 19970923 (8)
PRAI DE 1996-19640365 19960930
DT Utility
FS Granted
EXNAM Primary Examiner: Lovering, Richard D.
LREP Keil & Weinkauf
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 682
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polymer complexes which comprises hydrogen peroxide, a polymer suitable for complex formation with hydrogen peroxide, and at least one metal colloid and/or metal salt are prepared as described and used in bactericidal **compositions**, disinfectant systems, hair cosmetic

compositions and as free-radical initiators for chemical reactions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 24 OF 37 USPATFULL
AN 1999:67000 USPATFULL
TI Aqueous hair setting **composition** containing silicone grafted copolymer
IN Midha, Sanjeev, Blue Ash, OH, United States
Torgerson, Peter Marte, Washington Court House, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5911979 19990615
AI US 1997-807845 19970226 (8)
RLI Continuation of Ser. No. US 1995-370147, filed on 9 Jan 1995, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Harrison, Robert H.
LREP Lewis, Leonard W., Murphy, Stephen T., Rosnell, Tara M.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous hair setting **composition**, comprising: (a) from about 0.1% to about 15%, by weight, of a cationic, water soluble polymeric hair setting agent, said hair setting agent being a silicone macromer-grafted copolymer derived by polymerization of: (i) from about 1% to about 20%, by weight, silicone macromers; (ii) from about 5% to about 75%, by weight, nonionic, quaternizable monomers; and (iii) from about 5% to about 90%, by weight, nonionic, water soluble, non-quaternizable monomers; wherein at least about 5 wt.%, of the monomers, calculated by total weight of the copolymer, are quaternized and said copolymer has a backbone having a Tg of from about 30.degree. C. to about 140.degree. C.; and (b) from about 75% to about 99.9%, by weight, water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 25 OF 37 USPATFULL
AN 1998:61586 USPATFULL
TI Process for making aqueous solution **compositions** comprising polymer hydrogel **compositions**
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, England
Aronson, Michael Paul, West Nyack, NY, United States
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)
PI US 5759969 19980602
AI US 1996-703747 19960827 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a process for making hydrogel dispersions/particles capable of trapping water insoluble beneficial

agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 26 OF 37 USPATFULL
AN 1998:54471 USPATFULL
TI Hair care **compositions** having styling/conditioning agent and plasticizer
IN Leitch, Steven Hilary, Maineville, OH, United States
Bartz, Lisa Jo, Cincinnati, OH, United States
Fish, Kathleen Brown, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5753216 19980519
AI US 1994-203723 19940228 (8)
RLI Continuation of Ser. No. US 1993-26144, filed on 2 Mar 1993, now abandoned which is a continuation of Ser. No. US 1991-671578, filed on 19 Mar 1991, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Venkat, Jyothsan
LREP Lewis, Leonard W., Rosnell, Tara M., Henderson, Loretta J.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1975
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are hair care **compositions** containing a hair styling/conditioning copolymer solubilized or dispersed in a volatile silicone fluid, wherein the copolymer-volatile silicone fluid solution further comprises a nonvolatile plasticizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 27 OF 37 USPATFULL
AN 1998:51563 USPATFULL
TI **Composition** and improved pH driven method for wastewater separation using an amphoteric carboxylate and a cationic destabilizer **composition**
IN Falbaum, David J., St. Paul, MN, United States
Hei, Robert D., Cottage Grove, MN, United States
Maier, Helmut K., Golden Valley, MN, United States
Mattia, Paul J., Prior Lake, MN, United States
PA Ecolab Inc., St. Paul, MN, United States (U.S. corporation)
PI US 5750484 19980512
AI US 1997-802219 19970219 (8)
RLI Continuation of Ser. No. US 1995-429896, filed on 27 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-267664, filed on 29 Jun 1994, now patented, Pat. No. US 5523000
DT Utility
FS Granted
EXNAM Primary Examiner: McAvoy, Ellen M.
LREP Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1041
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Improved separation of emulsified hydrophobic organic soils can be obtained from aqueous effluents using an amphoteric carboxylate surfactant material in combination with cationic destabilizer or flocculent materials. Such a treatment in combination with an acidic pH adjustment causes the rapid separation of hydrophobic organic

soils from the aqueous stream. The treated aqueous stream is environmentally compatible.

Improved laundry detergents comprising an organic amphoteric carboxylate surfactant and selected nonionic surfactants provide both cleaning for fiber and fabric containing items soiled with substantial quantities of hydrophobic soil. The pH of an effluent generated in such cleaning processes can be adjusted to an acid pH and treated with a cationic material causing a break that permits rapid and substantially complete separation of the hydrophobic organic soils from the effluent. Residual concentrations of organic soil in effluent water can be less than 250 ppm and can be as low as 10 ppm.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 28 OF 37 USPATFULL
AN 1998:25194 USPATFULL
TI Aqueous solution **compositions** comprising polymer hydrogel **compositions**
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, England
Aronson, Michael Paul, West Nyack, NJ, United States
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)
PI US 5726138 19980310
AI US 1996-703116 19960826 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1393
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 29 OF 37 USPATFULL
AN 97:78166 USPATFULL
TI **Personal care compositions** containing hydrophobic linear copolymer and hydrophobic, volatile, branched hydrocarbon solvent
IN Bolich, Jr., Raymond Edward, Maineville, OH, United States
Midha, Sanjeev, Blue Ash, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5662892 19970902
AI US 1996-616402 19960315 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon
LREP Henderson, Loretta J., Sabatelli, Anthony D.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1545
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to **personal care compositions**, especially hair care **compositions**,

containing hydrophobic, linear random copolymers and a hydrophobic, volatile, branched hydrocarbon solvent for the copolymer. The copolymer is formed by the copolymerization of monomer units that form a homopolymer having a T_{sub}.g of at least 90.degree. C., and monomer units that form a homopolymer having a T_{sub}.g of less than 25.degree. C. The hydrocarbon solvent consists essentially of one or more branched chain hydrocarbons containing from 10 to 16 carbon atoms. The invention relates to hair styling and conditioning products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 30 OF 37 USPATFULL
AN 97:47378 USPATFULL
TI Foaming cleansing products
IN Fowler, Timothy J., Cincinnati, OH, United States
Woodin, Jr., Frederick W., Middletown, OH, United States
Deckner, George E., Cincinnati, OH, United States
Gupte, Anil J., Cincinnati, OH, United States
Taniguchi, Tatsuya, Hyogo, Japan
Collias, Dimitris I., Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5635469 19970603
AI US 1996-729523 19961010 (8)
RLI Continuation of Ser. No. US 1996-602387, filed on 16 Feb 1996, now abandoned which is a continuation of Ser. No. US 1995-438457, filed on 10 May 1995, now abandoned which is a continuation of Ser. No. US 1993-75210, filed on 10 Jun 1993, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Calderola, Glenn A.; Assistant Examiner: Wood, Elizabeth D.
LREP Sabatelli, Anthony D., Dabbiere, David K.
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 2449
AB The present invention relates to foam producing products useful for personal cleansing. These products comprise a foamable liquid composition and a foam-producing foam dispenser. These products provide a stable homogeneous foam and good lathering and cleansing characteristics. These products are very mild to the skin and are useful for moisturizing the skin and for delivering a wide variety of active ingredients to the skin.

L7 ANSWER 31 OF 37 USPATFULL
AN 97:44767 USPATFULL
TI Personal care compositions containing hydrophobic graft copolymer and hydrophobic, volatile solvent
IN Midha, Sanjeev, Blue Ash, OH, United States
Bolich, Jr., Raymond E., Miamsville, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5632998 19970527
AI US 1996-616847 19960315 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon
LREP Henderson, Loretta J., Howell, John M., Suter, David L.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to **personal care compositions**, especially hair care **compositions**, containing non-silicone, hydrophobic graft copolymers and a hydrophobic, volatile solvent for the copolymer, the solvent being selected from branched chain hydrocarbons, silicones and combinations thereof. This invention also relates to hair conditioners and hair styling products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

The graft polymers should satisfy the following three criteria:

- (1) the graft portion is covalently bonded to the polymeric backbone portion;
- (2) the molecular weight of the graft portion is at least about 500; and
- (3) when used in a **composition**, such as a **personal care composition** for application to the hair or skin, the polymeric backbone portion should permit the graft polymer to deposit on the intended surface, such as hair or skin.

Preferred copolymers, when dried, phase-separate into a microphase which includes the graft portion and a microphase which includes the polymeric backbone portion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 32 OF 37 USPATFULL

AN 96:96772 USPATFULL

TI Topical **personal care composition**
containing polysiloxane-grafted adhesive polymer and drying aid

IN Hughes, Kendrick J., Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 5567428 19961022

AI US 1995-566599 19951204 (8)

RLI Continuation of Ser. No. US 1995-405415, filed on 15 Mar 1995, now abandoned which is a continuation of Ser. No. US 1993-113570, filed on 27 Aug 1993, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Nutter, Nathan M.

LREP Lewis, Leonard W., Sabatelli, Anthony D., Dabbiere, David K.

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2149

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a topical **personal care composition**, having improved drying time, said **composition** comprising: (a) a polysiloxane-grafted adhesive polymer; (b) a volatile, water insoluble solvent for said polysiloxane-grafted polymer; (c) a nonvolatile drying aid for said polysiloxane-grafted polymer which is soluble in said volatile solvent (b) at 45.degree. C. and is water insoluble at 25.degree. C., and is selected from the group consisting of silicone fluids and waxes having from 1 to about 100 siloxy units, silanes, and silicone resins and mixtures thereof; wherein the weight ratio of said polysiloxane-grafted polymer (a) to said drying aid (c) is about 100:1 or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 33 OF 37 USPATFULL
AN 90:44262 USPATFULL
TI Low viscosity stable non-aqueous suspension containing organophilic clay and low density filler
IN Cao, Hoai-Chau, Liege, Belgium
Houben, Marie-Christine, Alleur, Belgium
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)
PI US 4931195 19900605
AI US 1989-324996 19890317 (7)
RLI Continuation of Ser. No. US 1987-102926, filed on 30 Sep 1987, now abandoned which is a continuation-in-part of Ser. No. US 1987-73551, filed on 15 Jul 1987, now patented, Pat. No. US 4828723
DT Utility
FS Granted
EXNAM Primary Examiner: Albrecht, Dennis; Assistant Examiner: Silbermann, James M.
LREP Blumenkopf, N., Sullivan, R. C., Grill, M. M.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lecithin or certain other phosphate esters are added to a non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant containing small amounts of low density filler, such as hollow plastic or glass microspheres to provide stabilization against phase separation and further containing a small amount of organophilic modified clay, such as a water-swellable smectite clay, in which the metal cations are totally or partially exchanged with mono- or di-long chain quaternary ammonium compound to provide a viscoelastic network structure. The lecithin reduces plastic viscosity and helps maintain the viscoelastic network structure over extended periods of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 34 OF 37 USPATFULL
AN 89:36393 USPATFULL
TI Stable non-aqueous suspension containing organophilic clay and low density filler
IN Cao, Hoai-Chau, Liege, Belgium
Houben, Marie-Christine, Alleur, Belgium
Julemont, Michel, Heusy, Belgium
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)
PI US 4828723 19890509
AI US 1987-73551 19870715 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Willis, Prince E.; Assistant Examiner: Krasnow, Ronald A.
LREP Grill, M. M., Blumenkopf, N.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant is stabilized against phase separation by the addition of small amounts of low density filler, such as hollow plastic or glass

microspheres. The low density particulate filler is added in an amount to equalize the densities of the continuous liquid phase and the dispersed phase. Further stabilization against phase separation under strong vibration conditions is provided by addition of a small amount of organophilic modified clay, such as a water-swellable smectite clay in which the metal cations are total or partially exchanged with mono- or di-long chain quaternary ammonium compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 35 OF 37 USPATFULL
AN 87:32073 USPATFULL
TI Hydrophobe substituted, water-soluble cationic polysaccharides
IN Brode, II, George L., Bridgewater, NJ, United States
Kreeger, Russell L., Somerville, NJ, United States
Goddard, Errol D., Haworth, NJ, United States
Merritt, II, Frederick M., Belle Mead, NJ, United States
Braun, David B., Ridgefield, CT, United States
PA Union Carbide Corporation, Danbury, CT, United States (U.S. corporation)
PI US 4663159 19870505
AI US 1985-697241 19850201 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Peselev, Elli
LREP Gibson, Henry H.
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble, cationic polysaccharides, including quaternary nitrogen-containing cellulose ethers, containing hydrophobic substitution, are substantially water-soluble; provide aqueous solutions having enhanced viscosity, foaming and preferably improved surface properties; and possess utility in **personal care**, emulsions and cleansers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 36 OF 37 USPAT2
AN 2002:344625 USPAT2
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 6541564 B2 20030401
AI US 2002-127508 20020423 (10)
PRAI DE 2001-125138 20010522
DT Utility
FS GRANTED
EXNAM Primary Examiner: Acquah, Samuel A.
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1757

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out

in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 37 OF 37 USPAT2
AN 2002:78790 USPAT2
TI Thickener-rheology modifier system for **personal care compositions**
IN Sorrentino, Paul M., Monmouth Jct., NJ, United States
Cottrell, Ian W., Princeton, NJ, United States
Pluyer, Johan G. L., East Millstone, NJ, United States
Babenko, Tamara, Bridgewater, NJ, United States
PA National Starch and Chemical Investment Holding Corporation, New Castle, DE, United States (U.S. corporation)
PI US 6447803 B2 20020910
AI US 1998-134221 19980814 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Webman, Edward J.
LREP Kaiser, Esq., Karen G.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 429
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A selected thickener-rheology modifier system comprising the combination of a hydrophobically, modified alkali-soluble thickener and a polysaccharide hydrocolloid or gum or polyalkylene glycol, preferably with a surfactant and more preferably with boric acid is especially useful in **personal care compositions** such as hair care and skin care compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 15:58:00 ON 22 APR 2003)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPINDEX, WTEXTILES' ENTERED AT 15:58:13 ON 22 APR 2003

L1 4605420 S COMPOSITION
L2 153272 S L1 AND STARCH
L3 469 S L2 AND (CATIONI? (W) MODIF?)
L4 0 S L3 AND (DEGREE (W) SUBSTITUTION)
L5 332 S L3 AND (ALKONIUM OR AMMONIUM)
L6 72 S L5 AND (BENZALKONIUM OR CETYL)
L7 37 S L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGU

=> dis 16 1-72 bib abs

L6 ANSWER 1 OF 72 CAPLUS COPYRIGHT 2003 ACS
AN 1999:667819 CAPLUS
DN 131:276766
TI Sprayable cosmetic composition
IN Eicken, Ulrich; Jungo, Sybille
PA Wella A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19815461	A1	19991014	DE 1998-19815461	19980407
PRAI DE 1998-19815461		19980407		
AB	A hair-conditioning emulsion with a low viscosity which can be applied as a spray or foam comprises .gtoreq.1 cationically modified biopolymer , .gtoreq.1 cationic surfactant, and .gtoreq.1 C6-30 fatty alc., where the surfactant:fatty alc. ratio is <3.5. The emulsion is stable despite its low viscosity, and does not produce any sediment or deposit which could clog valves or pump mechanisms. It can be distributed evenly over the hair, providing an excellent conditioning action. Suitable cationically modified biopolymers include protein hydrolyzates and derivs. of cellulose, starch , guar gum, and chitin. Thus, a hair spray conditioner contained Lanette 16 (cetyl alc.) 1.0, CTAC (cetrimonium chloride) 0.5, Lamequat L (lauryldimonium hydroxypropyl hydrolyzed collagen) 0.25, glycolic acid 0.01, Dow Corning 345 Fluid (cyclomethicone) 2.0, panthenol 0.05, 94.7% EtOH 10.0, perfume 0.2, and demineralized water to 100%.			
RE.CNT 6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L6 ANSWER 2 OF 72 IFIPAT COPYRIGHT 2003 IFI
AN 3427593 IFIPAT;IFIUDB;IFICDB
TI MATRIX **COMPOSITION** COMPRISING SURFACTANT AND MATRIX USEFUL FOR TARGETED DELIVERY ARTICLES
INF Guenin; Eric P., Trenton, NJ
McDermott; Keith J., Bridgewater, NJ
Shefer; Adi, East Brunswick, NJ
Shefer; Shmuel David, East Brunswick, NJ
Smith; Leslie C., Jamesburg, NJ
Teffenhart; John M., Edison, NJ
Trotzinka; Karen A., Wayside, NJ
IN Guenin Eric P; McDermott Keith J; Shefer Adi; Shefer Shmuel David; Smith Leslie C; Teffenhart John M; Trotzinka Karen A
PAF International Flavors & Fragrances Inc., New York, NY
PA International Flavors & Fragrances Inc (42760)
EXNAM Boykin, Terressa M
AG Liberman, Arthur L.
PI US 6156826 20001205
AI US 1998-208461 19981210
XPD 18 Sep 2017
RLI US 1997-933599 19970918 CONTINUATION-IN-PART 6042792
FI US 6156826 20001205
US 6042792
DT UTILITY
FS CHEMICAL
GRANTED
OS CA 134:21329
MRN 009641 MFN: 0125
CLMN 2
GI 49 Drawing Sheet(s), 66 Figure(s).
AB Described are controlled, time-release microparticulate active and bioactive **compositions** (including perfuming **compositions**) for targeted delivery to surfaces such as skin, hair and fabric and the environment proximate thereto, where the active and bioactive materials have a calculated log₁₀ P values of between 1 and 8 (P being the n-octanol-water partition coefficient). Such **compositions** include the active or bioactive material in single phase, solid solution in a wax or polymer matrix also having coated thereon and/or containing a compatible surfactant. Also described are processes and apparatus for preparing such **compositions** and processes for using same. Furthermore, certain component(s) of the aforementioned **compositions** in combination with one another are novel, and other components have novel uses in increasing fragrance

substantivity, particularly in hair care preparations such as hair gels and shampoos.

CLMN 2
GI 49 Drawing Sheet(s), 66 Figure(s).

L6 ANSWER 3 OF 72 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467782 PROMT

TI Chemical tradenames. (Q-Z). (list of chemical companies throughout the world with contact data) (Industry Overview) (Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 497(9).
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 12518

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB QDO DBQDO: Vulcanizing agents -- Lord Corporation, Chemical Product Division

THIS IS THE FULL TEXT: COPYRIGHT 2002 Chemical Week Associates

Subscription: \$99.00 per year. Published weekly. P.O. Box 7721, Riverton, NJ 08077-9021.

L6 ANSWER 4 OF 72 PROMT COPYRIGHT 2003 Gale Group

AN 2002:467781 PROMT

TI Chemical tradenames. (F-P). (list of chemical companies throughout the world with contact data) (Industry Overview) (Cover Story)

SO Chemical Week, (27 Sep 2002) Vol. 164, No. 38, pp. 486(12).
ISSN: ISSN: 0009-272X.

PB Chemical Week Associates

DT Newsletter

LA English

WC 18020

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB F-1000, 2000, 2100, 2200, 2300, 3600, 4400: Aluminum hydroxide dried gel
-- Reheis Inc

THIS IS THE FULL TEXT: COPYRIGHT 2002 Chemical Week Associates

Subscription: \$99.00 per year. Published weekly. P.O. Box 7721, Riverton, NJ 08077-9021.

L6 ANSWER 5 OF 72 USPATFULL

AN 2003:99246 USPATFULL

TI Thickener-rheology modifier system for personal care compositions

IN Sorrentino, Paul M., Monmouth Jct., NJ, UNITED STATES

Cottrell, Ian W., Princeton, NJ, UNITED STATES

Pluyer, Johan G.L., East Millstone, NJ, UNITED STATES

Babenko, Tamara, Bridgewater, NJ, UNITED STATES

PI US 2003068350 A1 20030410

AI US 2002-195677 A1 20020712 (10)

RLI Division of Ser. No. US 1998-134221, filed on 14 Aug 1998, GRANTED, Pat. No. US 6447803

DT Utility

FS APPLICATION

LREP Karen G. Kaiser, Intellectual Property, NATIONAL STARCH AND CHEMICAL COMPANY, P. O. Box 6500, Bridgewater, NJ, 08807-0500

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 554

AB A thickener-rheology modifier system for use in hair care and skin care

compositions comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener comprising an aqueous emulsion copolymer of:

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.sup.1 is H, C.sub.1-C.sub.4 alkyl, or --CH.sub.2COOX; R is --COOX and R.sup.1 is H or --CH.sub.2COOX; and R is CH.sub.3 and R.sup.1 is H, C.sub.1-C.sub.4 alkyl or --CH.sub.2COOX; and X is H or C.sub.1-C.sub.4 alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH.sub.2.dbd.CYZ

where Y is H or CH.sub.3 and Z is ##STR2##

where R is C.sub.1 to C.sub.4 alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

where R' is H, --COOH or CH.sub.3 and R" is H, CH.sub.3, --COOH or --CH.sub.2COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

L6 ANSWER 6 OF 72 USPATFULL
AN 2003:99188 USPATFULL
TI Pearlescent hair care compositions
IN Pfaffernoschke, Matthias, Aaberg, SWITZERLAND
Jungo, Sybille, Ursen, SWITZERLAND
PI US 2003068292 A1 20030410
AI US 2002-253291 A1 20020924 (10)
PRAI DE 2001-147501 20010926
DT Utility
FS APPLICATION
LREP STRIKER, STRIKER & STENBY, 103 East Neck Road, Huntington, NY, 11743
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 841
AB The hair treatment composition, which is in the form a pearlescent product, contains a nonionic, amphiphilic associative thickener consisting of at least one hydrophobically modified aminoplast/polyether copolymer; a hair care active ingredient selected from the group consisting of cationic surfactants, zwitterionic surfactants, cationic polymers, cationic silicone compounds, amine-substituted silicone compounds, cationic derivatized proteins, cationic derivatized protein hydrolyzates and betaines; and a pearlescence or turbidity-inducing agent selected from the group

consisting of fatty acid alkanol amides, fatty acid glyceryl esters, guanine, glycol fatty acid diesters, styrene/acrylate copolymers, polyethylene glycol fatty acid diesters, styrene/vinyl pyrrolidone copolymers and poly(trimethylammonium ethylmethacrylate chloride); in an aqueous cosmetic base. The **composition** is usable as a leave-in hair care **composition** or a hair rinse, which conditions the hair and imparts luster and volume to the hair.

L6 ANSWER 7 OF 72 USPATFULL
AN 2003:89146 USPATFULL
TI Use of finely divided dye-containing polymers PD as color-imparting constituent in cosmetic **compositions**
IN Medelnick, Monika, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF Pfrommer, Ellen, Hassloch, GERMANY, FEDERAL REPUBLIC OF Clemens, Thorsten, Hochdorf-Assenheim, GERMANY, FEDERAL REPUBLIC OF Erk, Peter, Frankenthal, GERMANY, FEDERAL REPUBLIC OF Bohm, Arno, Mannheim, GERMANY, FEDERAL REPUBLIC OF Kielhorn-Bayer, Sabine, Maxdorf, GERMANY, FEDERAL REPUBLIC OF Witteler, Helmut, Beindersheim, GERMANY, FEDERAL REPUBLIC OF Dausch, Wilma M., Limburgerhof, GERMANY, FEDERAL REPUBLIC OF Westenfelder, Horst, Neustadt, GERMANY, FEDERAL REPUBLIC OF Wunsch, Thomas, Speyer, GERMANY, FEDERAL REPUBLIC OF Mathauer, Klemens, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF Habeck, Thorsten, Meckenheim, GERMANY, FEDERAL REPUBLIC OF Ikeda, Takahiro, Yokkaichi, JAPAN Ichihara, Hideyuki, Kanagawa, JAPAN
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 6541032 B1 20030401
AI US 2000-677864 20001003 (9)
PRAI DE 1999-19949382 19991013
DT Utility
FS GRANTED
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ware, Todd D
LREP Keil & Weinkauf
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2012
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention describes the use of finely divided dye-containing polymers PD in the form of an aqueous polymer dispersion or a polymer powder obtainable therefrom, the polymer matrix of which comprises at least one organic dye D in homogeneously dispersed form, as color-imparting constituent in cosmetic **compositions**. The present invention also describes cosmetic **compositions** which comprise a color-containing polymer in an amount of from 0.1 to 50% by weight, based on the total weight of the cosmetic **composition**, and additives customary for cosmetic **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 72 USPATFULL
AN 2003:89008 USPATFULL
TI Stable alkaline hair bleaching **compositions** and method for use thereof
IN Dias, Louis Carlos, Virginia Water, UNITED KINGDOM
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6540791 B1 20030401
AI US 2000-537451 20000327 (9)
DT Utility
FS GRANTED

EXNAM Primary Examiner: Gupta, Yogendra N.; Assistant Examiner: Hamlin, D G
LREP Paul, Andrew A., Rosnell, Tara M., Miller, Steven W.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2766

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An alkaline hair bleaching **composition** comprising (a) from about 0.01% to about 12%, by weight, of at least one oxidizing agent; (b) from about 0.2% to about 20%, by weight, of a buffering system, present in an amount sufficient to generate a pH of the **composition** in the range from about 5 to about 11, wherein said buffering system comprises at least one pH modifying ingredient selected from the group consisting of (i) borates buffers, (ii) alkalizing agents, and mixtures thereof; (c) from about 150 ppm to about 5,000 ppm of at least one stabilizer; and (d) from about 0.01% to about 50%, by weight, of at least one hair care ingredient selected from the group consisting of (i) surfactants, (ii) catalysts, (iii) thickeners, (iv) conditioners, and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 72 USPATFULL
AN 2003:71129 USPATFULL
TI Recording medium, method of manufacturing the same and image forming method
IN Ichinose, Hirofumi, Kawasaki-shi, JAPAN
PI US 2003049414 A1 20030313
AI US 2000-742325 A1 20001222 (9)
PRAI JP 1999-370098 19991227
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 1139

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recording medium comprises a base member mainly made of pulp fibers and an ink receiving layer formed thereon containing an inorganic pigment and a binder. The recording medium shows a pore radius distribution having a peak attributable to pores in the base member and a peak attributable to pores in the ink receiving layer. The peak attributable to pores in the ink receiving layer is located between 8 and 50 nm. The ink receiving layer is formed on the base member by applying a coating formulation containing at least an inorganic pigment and a resin emulsion to the base member at a coating rate between 1 and 10 g/m.² so that the inorganic pigment and the resin emulsion become weakly agglomerate. The recording medium can be suitably used with an ink-jet recording system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 72 USPATFULL
AN 2003:59936 USPATFULL
TI Clear hair treatment **composition**
IN Schmenger, Juergen, Weiterstadt, GERMANY, FEDERAL REPUBLIC OF
Abels, Wilhelm, Simi Valley, CA, United States
Jahedshoar, Mehrdad, Calabasas, CA, United States
PA Wella AG, Darmstadt, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 6528046 B1 20030304
AI US 2000-691761 20001018 (9)
PRAI US 1999-160967P 19991022 (60)

DT Utility
FS GRANTED
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Sheikh, Humera N.
LREP Striker, Michael J.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 642

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hair-treating agent is described which is preferably in the form of an optically clear, transparent or translucent product and which contains (A) at least one hair-care silicone compound having at least one hydrophilic group, (B) at least one nonionic, amphiphilic associative thickener containing at least one hydrophilic group and optionally (C) at least one hair-care substance having at least one cationic group, in a cosmetically appropriate base. The agent is used as a leave-in hair treatment or as a hair rinse, thus conditioning the hair and conferring to it gloss and volume.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 72 USPATFULL
AN 2003:9367 USPATFULL
TI Ink set, process for forming colored portion and ink-jet recording apparatus
IN Takahashi, Katsuhiko, Kanagawa, JAPAN
Tochihara, Shinichi, Kanagawa, JAPAN
Kurabayashi, Yutaka, Tokyo, JAPAN
Tomioka, Hiroshi, Tokyo, JAPAN
Ogasawara, Masashi, Tokyo, JAPAN
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)
PI US 2003007051 A1 20030109
AI US 2002-137377 A1 20020503 (10)
PRAI JP 2001-1404652001 20010510
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 2781

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides an ink set, a process for forming a colored portion and an ink-jet recording apparatus which are used for obtaining higher-quality ink-jet recorded articles. The ink set comprises an aqueous ink containing at least an ultrafinely particulate pigment as a coloring material and an aqueous liquid **composition** containing fine particles, dispersed therein and electrically charged at the surface in a polarity opposite to the ink.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 72 USPATFULL
AN 2002:344625 USPATFULL
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

PI US 2002198359 A1 20021226
US 6541564 B2 20030401
AI US 2002-127508 A1 20020423 (10)
PRAI DE 2001-125138 20010522
DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
JEFFERSON HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1768
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 72 USPATFULL
AN 2002:343490 USPATFULL
TI Composition for a hair treatment preparation in the form of an aerosol foam
IN Schmenger, Juergen, Weiterstadt, GERMANY, FEDERAL REPUBLIC OF
Abels, Wilhelm, Simi Valley, CA, UNITED STATES
Jahedshoar, Mehrdad, Calabasas, CA, UNITED STATES
PI US 2002197213 A1 20021226
AI US 2002-937228 A1 20020128 (9)
WO 2001-EP32 20010104
PRAI DE 2000-100025137 20000121
DT Utility
FS APPLICATION
LREP Striker Striker & Stenby, 103 East Neck Road, Huntington, NY, 11743
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 694

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described is a composition for a hair-treatment preparation which is preferably in the form of an optically clear, transparent or translucent product that can be used as an aerosol foam and contains (A) at least one nonionic, amphiphilic associative thickener in an appropriate cosmetic carrier and (B) at least one propellant. The preparation can be used as a leave-in hair treatment or as a hair rinse which condition the hair and confers to it luster and volume.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 72 USPATFULL
AN 2002:322216 USPATFULL
TI Ink-jet recording material
IN Nagashima, Takeshi, Chiyoda-ku, JAPAN
Kaneko, Satoshi, Chiyoda-ku, JAPAN
PI US 2002182380 A1 20021205
AI US 2002-73213 A1 20020213 (10)
PRAI JP 2001-40744 20010216
DT Utility
FS APPLICATION
LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,
20036-3307
CLMN Number of Claims: 11
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1042

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed an ink-jet recording material which comprises a light transmitting support, at least one ink-receptive layer provided on one surface of the support and at least one back-coating layer provided on the opposite surface of the support, wherein at least one of the back-coating layers contains inorganic fine particles having an average particle size of a primary particle of 5 to 50 nm and a binder, and a void ratio of the layer is 70% by volume or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 72 USPATFULL
AN 2002:238635 USPATFULL
TI Anti-dandruff and conditioning shampoos containing polyalkylene glycols and cationic polymers
IN Dunlop, David Scott, Mason, OH, United States
Guskey, Susan Marie, Montgomery, OH, United States
Leyba, Vicente Eduardo, Los Ruices, VENEZUELA
Royce, Douglas Allan, Aurora, IN, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6451300 B1 20020917
AI US 2000-558447 20000425 (9)
PRAI US 1999-132869P 19990503 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, S.
LREP Peebles, Brent M., Paul, Andrew A., Rosnell, Tara M.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1991

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior combination of anti-dandruff efficacy and conditioning, and a method of cleansing and conditioning the hair comprising applying to the hair and scalp an effective amount of said **compositions**. The anti-dandruff and conditioning shampoos comprise: (A) from about 5% to about 50%, by weight of the **composition**, of an anionic surfactant; (B) from about 0.01% to about 10%, by weight of the **composition**, of a non-volatile conditioning agent; (C) from about 0.1% to about 4%, by weight of the **composition**, of an anti-dandruff particulate; (D) from about 0.02% to about 5%, by weight of the **composition**, of at least one cationic polymer; (E) from 0.005% to about 1.5%, by weight of the **composition**, of a polyalkylene glycol corresponding to the formula: H(OCH₂CHR)_nOH, (i) wherein R is selected from the group consisting of hydrogen, methyl and mixtures thereof, (ii) wherein n is an integer having an average value from about 1,500 to about 120,000; and (F) water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 72 USPATFULL
AN 2002:221039 USPATFULL
TI **Compositions** useful for regulating hair growth containing metal complexes of oxidized carbohydrates
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES
PI US 2002119174 A1 20020829
AI US 2001-909440 A1 20010719 (9)

PRAI US 2000-220756P 20000726 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, SHARON WOODS TECHNICAL
CENTER, 11511 REED HARTMAN HIGHWAY, CINCINNATI, OH, 45241
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3342

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable cosmetic, dermatological, or pharmaceutical **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate; wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate nor lithium gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle, wherein the vehicle comprises at least about 5%, by weight of the **composition**, of propylene glycol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 72 USPATFULL
AN 2002:191165 USPATFULL
TI Shampoos providing a superior combination anti-dandruff efficacy and
condition
IN Dunlop, David Scott, Mason, OH, UNITED STATES
Boyd, Roberta Atwood, Cincinnati, OH, UNITED STATES
Guskey, Susan Marie, Montgomery, OH, UNITED STATES
Schwartz, James Roberts, Cincinnati, OH, UNITED STATES
Marchetta, Anthony Raymond, Mason, OH, UNITED STATES
PI US 2002102228 A1 20020801
AI US 2000-558465 A1 20000425 (9)
PRAI US 1999-132867P 19990503 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL
CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2634

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are shampoo **compositions** that provide a superior
combination of anti-dandruff efficacy and conditioning, and a method of
cleansing and conditioning the hair comprising applying to the hair and
scalp an amount of said **compositions**. The anti-dandruff and
conditioning shampoos comprise: (A) from about 5% to about 50%, by
weight, of an anionic surfactant; (B) from about 0.01% to about 10%, by
weight, of a non-volatile conditioning agent; (C) from about 0.1% to
about 4%, by weight, of an anti-dandruff agent; (D) from about 0.02% to
about 5%, by weight, of at least one cationic polymer; and (E) water.
The **compositions** (A) have a bioavailability/coverage index
value, as defined herein, of at least about 1.25; (B) have a first
conditioning index value, as defined herein, of less than or equal to
about 1.0; (C) have a second conditioning index value, as defined
herein, of at least about 1.5; and (D) have a minimal inhibitory
concentration index value, as defined herein, of at least about 0.125.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 72 USPATFULL
AN 2002:152610 USPATFULL
TI Fabric conditioning concentrate
IN Jones, Craig Warren, Wirral, UNITED KINGDOM
Mohammadi, Mansur Sultan, Wirral, UNITED KINGDOM

PA Unilever Home & Personal Care USA, division of Conopco, Inc., Greenwich,
CT, United States (U.S. corporation)
PI US 6410501 B1 20020625
AI US 2000-625761 20000726 (9)
PRAI GB 1999-17537 19990726
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hardee, John
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 887

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A fabric conditioner concentrate is produced comprising a liquid or soft solid derivative of cyclic polyol or a reduced saccharide resulting from 35 to 100% of the hydroxyl groups in the cyclic polyol or reduced saccharide being esterified or etherified, the derivative having at least two or more ether groups independently attached to a C.₈-C.₂₂ alkyl or alkenyl chain or mixtures thereof, containing at least 35% tri- or higher esters, an emulsifying agent, a deposition aid and less than 30% by weight water. The nonionic fabric softening component dissolves the deposition aid, which, if it is a cationic deposition aid, can also act as an emulsifying agent, allowing the composition to emulsify easily on mixing with water. Fabric conditioning concentrates according to the present invention maybe in the form of clear isotropic compositions or clear water-in-oil micro-emulsions. The deposition aid allows the nonionic fabric softening component to deposit onto fabric from the emulsion during a rinse step.

Emulsions produced by the present invention give excellent softening and perfume delivery.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 72 USPATFULL
AN 2002:149109 USPATFULL
TI Laundry articles and methods for care of fabrics or combined cleaning and care of fabrics
IN Buzzacarini, Francesco de, Breendonk, BELGIUM
Maria Depoot, Karel Jozef, Waregem, BELGIUM
Parry, Diane, Cincinnati, OH, UNITED STATES
Laurent, James Charles Burckett St., Lasne, BELGIUM
PI US 2002077265 A1 20020620
AI US 2001-949954 A1 20010910 (9)
PRAI US 2001-278126P 20010323 (60)
US 2000-231901P 20000911 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2055
AB Laundry articles for care of fabrics or combined cleaning and care of fabrics and methods of use of such articles. Multi-compartment containers combined with selected fabric laundering compositions that comprise selected care agents in different compartments or a selected cleaning agent in one compartment and a selected care agent in another compartment. On combining the compositions from the multi-compartment containers, preferred articles provide heavy duty liquid laundry detergents having fabric care benefits.

L6 ANSWER 20 OF 72 USPATFULL
AN 2002:140041 USPATFULL
TI Ink-jet recording material and use of the same
IN Tachikawa, Masashi, Tokyo, JAPAN
Kaneko, Satoshi, Tokyo, JAPAN
PI US 2002071018 A1 20020613
AI US 2001-867590 A1 20010531 (9)
PRAI JP 2000-168668 20000606
JP 2000-223303 20000725
DT Utility
FS APPLICATION
LREP MANELLI DENISON & SELTER, 2000 M STREET NW SUITE 700, WASHINGTON, DC,
20036-3307
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1262
AB There are disclosed an ink-jet recording material for back lit use having a light transmitting support and an ink-receptive layer provided on the support, wherein the ink-receptive layer comprises a hydrophilic polymer and an inorganic pigment having an average particle diameter of 0.5 to 10 .mu.m, or it comprises an inorganic fine particles having an average primary particle diameter of 3 to 50 nm and an average secondary particle diameter of less than 0.5 .mu.m, a hydrophilic polymer and an inorganic pigment having an average particle diameter of 0.5 to 10 .mu.m, and a Haze value of the ink receptive layer defined by JIS-K-7105 is 25% or less and an image clarity C value of a surface of the ink receptive layer defined by JIS-H-8686 is 85% or less, and relates to a use thereof, preferably, a contact angle of a surface of the ink-jet recording material for a back lit use with water is 13 to 35.degree. while one with linseed oil is 8 to 20.degree..

L6 ANSWER 21 OF 72 USPATFULL
AN 2002:135890 USPATFULL
TI Recording medium, production process of the recording medium, and image forming process using the recording medium
IN Ichinose, Hirofumi, Tokyo, JAPAN
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)
PI US 6402316 B1 20020611
AI US 1999-471226 19991223 (9)
PRAI JP 1998-373139 19981228
DT Utility
FS GRANTED
EXNAM Primary Examiner: Le, N.; Assistant Examiner: Feggins, K.
LREP Fitzpatrick, Cella, Harper & Scinto
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 1056

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recording medium for use in ink-jet recording. The recording medium has a substrate and at least one porous resin layer formed on the substrate. The porous resin layer comprises heteromorphic microspheres formed of a thermoplastic resin. The invention also encompasses a process for producing a recording medium having at least one porous resin layer on a substrate. The process includes the steps of applying to the substrate a coating formulation comprising polymer colloid in which heteromorphic microspheres are dispersed, and drying the coating formulation at a temperature lower than the lowest film-forming temperature of the heteromorphic microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 72 USPATFULL
AN 2002:129508 USPATFULL
TI Liquid sunscreen **compositions** which both deposit and lather well
IN Morgan, Leslie Jo, Chatham, NJ, United States
Puvvada, Sudhakar, Shelton, CT, United States
Tsaur, Liang Sheng, Norwood, NJ, United States
Aronson, Michael Paul, West Nyack, NY, United States
Lam, Andrew, Yorktown Heights, NY, United States
Shen, Shiji, Norwood, NJ, United States
Macaulay, Ernest Weatherley, Morris Township, NJ, United States
PA Unilever Home & Personal Care USA a division of Conopco, Inc.,
Greenwich, CT, United States (U.S. corporation)
PI US 6399045 B1 20020604
AI US 2000-523131 20000310 (9)
RLI Continuation-in-part of Ser. No. US 1999-298580, filed on 23 Apr 1999,
now patented, Pat. No. US 6224852
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dees, Jose G.; Assistant Examiner: Lamm, Marina
LREP Koatz, Ronald A.
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 934

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention teaches liquid sunscreen **compositions** in which level of surfactant is higher than level at which the sunscreen component(s) are still soluble in the surfactant in which they are used; and which comprise minimal levels of cationic polymer. Combination of cationic polymer (especially preferred surfactants and at minimum levels) and minimal levels of sunscreen lead to **compositions** with minimal levels of deposition and minimal SPF. Further, the **compositions** also maintain good lather.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 23 OF 72 USPATFULL
AN 2002:105790 USPATFULL
TI IMAGE-TRANSFER MEDIUM FOR INK-JET PRINTING, TRANSFER PRINTING PROCESS
USING THE SAME, AND TRANSFER PRINTING CLOTH
IN SATO, YUKO, KAWASAKI-SHI, JAPAN
SAKAKI, MAMORU, YAMATO-SHI, JAPAN
KATAYAMA, MASATO, YOKOHAMA-SHI, JAPAN
HIGUMA, MASAHIKO, TOGANE-SHI, JAPAN
KUDO, MIFUNE, KAWASAKI-SHI, JAPAN
MORIYA, KENICHI, URAYASU-SHI, JAPAN
PI US 2002054992 A1 20020509
US 6495241 B2 20021217
AI US 1997-845439 A1 19970425 (8)
PRAI JP 1996-130571 19960430
JP 1996-221883 19960806
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY,
10112
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 2146

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein is an image-transfer medium for ink-jet printing, comprising a releasing layer and a transfer layer containing fine particles of a thermoplastic resins and a polymeric binder, provided on

a base material, wherein the polymeric binder is a thermoplastic resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 24 OF 72 USPATFULL
AN 2002:102037 USPATFULL
TI Volume-imparting hair treatment **compositions**
IN Lede, Michael, Langen, GERMANY, FEDERAL REPUBLIC OF
Birkel, Susanne, Glashuetten, GERMANY, FEDERAL REPUBLIC OF
Franzke, Michael, Rossdorf, GERMANY, FEDERAL REPUBLIC OF
Henze, Hildegard, Darmstadt, GERMANY, FEDERAL REPUBLIC OF
PA Wella Aktiengesellschaft, Darmstadt, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 6383477 B1 20020507
AI US 2000-629954 20000801 (9)
PRAI DE 1999-19937386 19990807
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kishore, Gollamudi S.; Assistant Examiner: Seidleck,
Brian K.
LREP Striker, Michael J.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 746

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The hair treatment **compositions** for imparting volume to hair
each contain from 0.1 to 20 percent by weight of one or more terpolymers
of vinyl pyrrolidone, vinyl caprolactam and a basic acryl amide monomer
and from 0.05 to 10 percent by weight of one or more cation-active
hair-care substance. The **composition** provides a long-lasting
volumizing effect to hair treated with it. It is especially effective on
damaged hair and provides good combability without loading the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 25 OF 72 USPATFULL
AN 2002:78790 USPATFULL
TI THICKENER-RHEOLOGY MODIFIER SYSTEM FOR PERSONAL CARE
COMPOSITIONS
IN SORRENTINO, PAUL M., MONMOUTH JCT., NJ, UNITED STATES
COTTRELL, IAN W., PRINCETON, NJ, UNITED STATES
PLUYER, JOHAN G., EAST MILLSTONE, NJ, UNITED STATES
BABENKO, TAMARA, BRIDGEWATER, NJ, UNITED STATES
PI US 2002042448 A1 20020411
US 6447803 B2 20020910
AI US 1998-134221 A1 19980814 (9)
DT Utility
FS APPLICATION
LREP LARELEE A. DUNCAN, NATIONAL STARCH AND CHEMICAL COMPANY, P.O. BOX 6500,
BRIDGEWATER, NJ, 08807-0500
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 555

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thickener-rheology modifier system for use in hair care and skin care
compositions comprising:

a) a hydrophobically modified, alkali-soluble copolymer thickener
comprising an aqueous emulsion copolymer of

i) from about 5 to 70 weight percent of .alpha., .beta. ethylenically
unsaturated carboxylic acid monomer of the formula: ##STR1##

where R is H and R.sup.1 is H, C.sub.1-C.sub.4 alkyl, or --CH.sub.2COOX; R is --COOX and R.sup.1 is H or --CH.sub.2COOX; and R is CH.sub.3 and R.sup.1 is H, C.sub.1-C.sub.4 alkyl or --CH.sub.2COOX; and X is H or C.sub.1-C.sub.4 alkyl;

ii) from about 10 to 90 weight percent of a nonionic, copolymerizable, .alpha., .beta. ethylenically unsaturated monomer of the formula:

CH.sub.2.dbd.CYZ

where Y is H or CH.sub.3 and Z is ##STR2##

where R is C.sub.1 to C.sub.4 alkyl; and

iii) from about 1 to 30 weight percent of a hydrophobically modified, .alpha., .beta. ethylenically unsaturated carboxylic acid monomer of the formula: ##STR3##

where R is an alkyl group of 6 to 22 carbon atoms or an alkaryl of 8 to 22 carbon atom, x is an average number of from about 6 to 200, y is an average number of from about 0 to 50 and A is residue of an unsaturated carboxylic acid having the formula: ##STR4##

were R' is H, --COOH or CH.sub.3 and R" is H, CH.sub.3, --COOH or --CH.sub.2COOH; and

b) a polysaccharide hydrocolloid or gum or polyalkylene glycol.

Preferably the thickener-rheology modifier system will contain a surfactant and more preferably will contain boric acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 26 OF 72 USPATFULL
AN 2002:69591 USPATFULL
TI Modified starch solutions and their use in personal care
IN Melby, Allan L., Cranberry Township, PA, United States
Gunther, Manfred, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Gaffney, Tammy W., New Castle, PA, United States
Matz, Gary F., Carnegie, PA, United States
PA Calgon Corporation, Naperville, IL, United States (U.S. corporation)
PI US 6365140 B1 20020402
AI US 2000-717958 20001120 (9)
PRAI US 1999-168939P 19991203 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.; Assistant Examiner: Willis, Michael A.

LREP Brumm, Margaret M., Breininger, Thomas M.

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 932

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are novel aqueous modified starch solutions, such solutions can contain high levels of the modified starch and remain stable such that on standing, the solution does not form a precipitate, become a non pourable gel, separate or spoil due to attack from microorganisms. The use of the novel aqueous modified starch solutions in a cosmetically acceptable medium for the treatment of a keratin-containing substrate is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 27 OF 72 USPATFULL
AN 2002:61235 USPATFULL
TI Method of regulating hair growth using metal complexes of oxidized carbohydrates
IN Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES
PA The Procter & Gamble Company (U.S. corporation)
PI US 2002035070 A1 20020321
AI US 2001-909441 A1 20010719 (9)
PRAI US 2000-220755P 20000726 (60)
DT Utility
FS APPLICATION
LREP Brent M. Peebles, The Procter & Gamble Company, Sharon Woods Technical Center, 11511 Reed Hartman Highway, Cincinnati, OH, 45241
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3276
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for regulating the growth of hair comprising administering to a mammal, an effective amount of a **composition** comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate, wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 28 OF 72 USPATFULL
AN 2002:54319 USPATFULL
TI Clear, two-phase, foam-forming aerosol hair care product
IN Keller, Walter, Ober-Ramstadt, GERMANY, FEDERAL REPUBLIC OF
Kischka, Karl-Heinz, Darmstadt, GERMANY, FEDERAL REPUBLIC OF
PI US 2002031478 A1 20020314
AI US 2001-899788 A1 20010705 (9)
PRAI DE 2000-10033414 20000708
DT Utility
FS APPLICATION
LREP STRIKER, STRIKER & STENBY, 103 East Neck Road, Huntington, NY, 11743
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 925
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The product for hair treatment includes a transparent pressure-resistant aerosol container and a device for making foam from an effective-ingredient containing **composition** contained in the aerosol container. The effective-ingredient containing **composition** contained in the transparent aerosol container has two clearly distinguishable liquid phases with a sharply distinct phase boundary. The two liquid phases consist of a hydrophilic phase and a hydrophobic phase. The hydrophilic phase includes water or a solvent system containing water and a water-soluble organic solvent, at least one cationic or cationically-active hair care ingredient and at least one organic or inorganic salt. The hydrophobic phase contains a water-insoluble, liquefied propellant gas and at least one water-insoluble, hydrophobic, oily or fatty substance dissolved in the liquefied propellant gas.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 29 OF 72 USPATFULL

AN 2002:36617 USPATFULL
TI Non-contact information recording medium for ink-jet recording and image forming process
IN Shino, Yoshiyuki, Kanagawa, JAPAN
Higuma, Masahiko, Chiba, JAPAN
PI US 2002021330 A1 20020221
AI US 2001-900008 A1 20010709 (9)
PRAI JP 2000-208994 20000710
DT Utility
FS APPLICATION
LREP FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 823
AB Disclosed herein is a non-contact information recording medium for ink-jet recording, on and from which information can be recorded and read in a non-contact state from the outside, comprising an electronic information storing circuit part and an image recording part, wherein at least part of the electronic information storing circuit part has an ink/circuit-part barrier structure by which the circuit part undergoes no circuit trouble caused by an ink applied to the image recording part.

L6 ANSWER 30 OF 72 USPATFULL
AN 2002:9654 USPATFULL
TI Cleansing articles for skin and/or hair which also deposit skin care actives
IN Albacarys, Lourdes Dessus, West Chester, OH, United States
McAtee, David Michael, Mason, OH, United States
Deckner, George Endel, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6338855 B1 20020115
AI US 1999-296334 19990422 (9)
RLI Continuation-in-part of Ser. No. US 1998-65991, filed on 24 Apr 1998, now abandoned Continuation-in-part of Ser. No. US 1997-974033, filed on 19 Nov 1997, now abandoned Continuation-in-part of Ser. No. US 1996-738145, filed on 25 Oct 1996, now abandoned Continuation of Ser. No. US 1996-738668, filed on 25 Oct 1996, now abandoned

PRAI US 1998-83015P 19980424 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Criares, Theodore J.
LREP Allen, George W., Matthews, Armina E., Tsuneki, Fumiko
CLMN Number of Claims: 29
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3405

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair and delivering skin care actives onto the skin or hair. These articles are used by the consumer by (i) wetting the dry article with water and (ii) generating lather by subjecting the wetted article to mechanical forces, e.g., rubbing. The article comprises a water insoluble substrate, a lathering surfactant, and a skin care active component. Preferably, the articles of the present invention further comprise a deposition aid and/or a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 31 OF 72 USPATFULL

AN 2001:218547 USPATFULL
TI Cationic emulsifier-enhanced liquid crystal gel network based skin care
moisturizing compositions
IN McManus, Richard L., Shelton, CT, United States
Trivedi, Himanshu, Bridgeport, CT, United States
Murphy, Bryan P., Monroe, CT, United States
Spengler, Eric, Ridgefield, CT, United States
PI US 2001047039 A1 20011129
AI US 2001-825467 A1 20010402 (9)
PRAI US 2000-196640P 20000412 (60)
DT Utility
FS APPLICATION
LREP Charles J. Zeller, Esquire, 2 Blachley Road, Stamford, CT, 06922
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 913
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to skin moisturizing compositions comprising a liquid crystal/gel network (LCGN) emulsion system comprising water, cationic emulsifiers, low HLB emulsifiers and emollients. In one aspect, the compositions comprise an emollient component as an occlusive agent, such as a petroleum-derived or a non-petroleum-derived occlusive agent, in the LCGN emulsion system. Additives such as adjuvants, active agents, or excipients may also be included in the compositions of the invention. The compositions of the present invention provide excellent moisturization and improved aesthetics (faster absorbency with more pleasant afterfeel properties) compared with traditionally available moisturizing products having different compositions and components and containing petroleum and/or mineral oil, to which are attributed greasiness and other unpleasant, user-perceived attributes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 32 OF 72 USPATFULL
AN 2001:184825 USPATFULL
TI Catalyzed water-soluble/dispersible reactive derivatives of polyimido compounds for modifying proteinaceous substrates
IN Guth, Jacob J., Upper Black Eddy, PA, United States
Vona, Jr., Samuel A., Bound Brook, NJ, United States
Thomaides, John S., Berkeley Heights, NJ, United States
Savoca, Ann C., Nazareth, PA, United States
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE, United States (U.S. corporation)
PI US 6306378 B1 20011023
AI US 1999-287900 19990407 (9)
RLI Continuation-in-part of Ser. No. US 1998-218846, filed on 22 Dec 1998
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Shelborne, Kathryne E.
LREP Muccino, Richard R.
CLMN Number of Claims: 41
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1889
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to a two-part system useful for treating proteinaceous substrates. The two-part system has a first part comprising a water-soluble/dispersible reactive polyimido compound and a second part comprising a nucleophilic catalytic agent. The polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The

polyimido compound may also comprise a functionalizing moiety that provides functionality to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates; and a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The nucleophilic catalytic agent serves to catalyze nucleophilic substitution of the polyimido compound by the proteinaceous substrate. The invention also pertains to a method for treating a proteinaceous substrate with the two-part system and to a composition comprising a mixture of the polyimido compound and the nucleophilic catalytic agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 33 OF 72 USPATFULL
AN 2001:179280 USPATFULL
TI Use of water-soluble/dispersible reactive functionalized derivatives of polyimido compounds for modifying proteinaceous substrates
IN Guth, Jacob J., Upper Black Eddy, PA, United States
Vona, Jr., Samual A., Bound Brook, NJ, United States
Thomaides, John S., Berkeley Heights, NJ, United States
Howard, Doreen, Plainsboro, NJ, United States
Petersen, Paul M., Princeton, NJ, United States
Iovine, Carmine, Bridgewater, NJ, United States
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE, United States (U.S. corporation)
PI US 6303794 B1 20011016
AI US 1998-218846 19981222 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: George, Konata
LREP Muccino, Richard R.
CLMN Number of Claims: 43
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1629

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to water-soluble/dispersible reactive functionalized imido and polyimido compounds, wherein the polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The polyimido compound comprises a functionalizing moiety F that provides functionality to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates; and a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and is preferably derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The invention also pertains to a proteinaceous substrate to which the imido or polyimido compound has been covalently bonded and to a method for treating a proteinaceous substrate with the imido or polyimido compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 34 OF 72 USPATFULL
AN 2001:173748 USPATFULL
TI Use of water-soluble/dispersible reactive derivatives of polyimido compounds for modifying proteinaceous substrates
IN Guth, Jacob J., Upper Black Eddy, PA, United States
Vona, Jr., Samual A., Bound Brook, NJ, United States
Thomaides, John S., Berkeley Heights, NJ, United States

Petersen, Paul M., Princeton, NJ, United States
Iovine, Carmine, Bridgewater, NJ, United States
PA National Starch & Chemical Investment Holding Corp., Wilmington, DE,
United States (U.S. corporation)
PI US 6300504 B1 20011009
AI US 1998-218847 19981222 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Shelborne, K. E.
LREP Muccino, Richard R
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1367

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to water-soluble/dispersible reactive imido and polyimido compounds, wherein the polyimido compounds may be selected from the group consisting of polysuccinimide compounds, polyglutimide compounds, and copolymers of thereof. The polyimido compounds comprise a water-solubilizing/dispersing moiety that provides water-solubility and/or water-dispersibility to the polyimido compound and preferably is derived from a nucleophilic moiety selected from the group consisting of amines, alcohols, phenols, thiols, and carboxylates. The present invention also pertains to a proteinaceous substrate to which the imido or polyimido compound has been covalently bonded and to a method for treating a proteinaceous substrate with the imido or polyimido compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 35 OF 72 USPATFULL
AN 2001:145274 USPATFULL
TI Fabric softening compositions
IN Grainger, David Stephen, Wirral, Great Britain
Green, Andrew David, Wirral, Great Britain
Mohammadi, Mansur Sultan, Wirral, Great Britain
PI US 2001018410 A1 20010830
US 6514931 B2 20030204
AI US 2000-741396 A1 20001220 (9)
PRAI GB 1999-30435 19991222
DT Utility
FS APPLICATION
LREP UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 796

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a fabric softening composition comprising;

(i) one or more cationic fabric softening compound(s) having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C_{sub.8}, and

(iv) at least one oily sugar derivative which is a liquid or soft solid derivative of a cyclic polyol or of a reduced saccharide, said derivative resulting from 35 to 100% of the hydroxyl groups in said polyol or in said saccharide being esterified or etherified, and wherein, the derivative has two or more ester or ether groups independently attached to a C_{sub.8}-C_{sub.22} alkyl or alkenyl chain, and

(v) a deposition aid comprising a mixture of one or more nonionic surfactant(s), and one or more cationic polymer(s), and wherein the weight ratio of the nonionic surfactant to the cationic polymer is in

the range 10:1 to 1:10.

The invention also provides a method of treating fabric with the above compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 36 OF 72 USPATFULL
AN 2001:111814 USPATFULL
TI Antiperspirant compositions
IN Fletcher, Neil Robert, Wirral, United Kingdom
Kanda, Miyuki, Tochigi-ken, Japan
Ketelson, Howard Allen, London, Canada
Turner, Graham Andrew, Wirral, United Kingdom
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Chicago,
IL, United States (U.S. corporation)
PI US 6261543 B1 20010717
AI US 1999-416104 19991012 (9)
PRAI GB 1998-22518 19981015
DT Utility
FS GRANTED
EXNAM Primary Examiner: Dodson, Shelley A.
LREP Boxer, Matthew
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1238

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsions which exhibit excellent phase stability even in the presence of an effective concentration of antiperspirant salts in solution and which are thickened are obtainable by dispersing a hydratable polymer and particularly an amphoteric or cationic **modified starch** in an aqueous emulsion forming a viscous emulsion, often at an elevated temperature, subjecting the emulsion to high shear, thereby reducing the droplet size of the dispersed oil phase, bringing the emulsion to below 40.degree. C. and introducing the antiperspirant, preferably in aqueous solution. The viscous emulsion subjected to high shear mixing desirably has a Sheer Stress of 10 to 500 Pa. The resultant emulsions show good phase stability even when they contain aluminium/ zirconium antiperspirant salts that promote instability and even at elevated storage temperatures such as at 50.degree. C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 37 OF 72 USPATFULL
AN 2001:105318 USPATFULL
TI Method for preparing fabric softening compositions
IN Charlton, Ian David, Bebington, Great Britain
Grainger, David Stephen, Bebington, Great Britain
Mohammadi, Mansur Sultan, Bebington, Great Britain
Sakya, Prabhat, Bebington, Great Britain
PI US 2001006937 A1 20010705
US 6436896 B2 20020820
AI US 2000-741379 A1 20001220 (9)
PRAI GB 1999-30430 19991222
DT Utility
FS APPLICATION
LREP UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1153

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a method for the preparation of an aqueous fabric softening **composition** comprising;

(i) at least one cationic fabric softening compound having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C._{sub.8} and

(ii) at least one oily sugar derivative,

wherein the cationic fabric softening compound (i), and/or the oily sugar derivative (ii) is/are separately mixed with another active component of the fabric softening **composition** to form a pre-mixture prior to the admixing of the softening compound (i) with the oily sugar derivative (ii).

The invention also provides an aqueous based fabric softening **composition** produced by the method of the invention, and, a method of treating fabrics with the **composition** so produced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 38 OF 72 USPATFULL
AN 2001:71085 USPATFULL
TI Topical Products as prophylactic of curative agents for bacterial skin infections
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 6231848 B1 20010515
WO 9814199 19980409
AI US 1999-269333 19990325 (9)
WO 1997-EP5291 19970926
19990325 PCT 371 date
19990325 PCT 102(e) date
PRAI DE 1996-19640364 19960930
DT Utility
FS Granted
EXNAM Primary Examiner: Kulkosky, Peter F.
LREP Keil & Weinkauf
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to topical products intended for use as prophylactic or curative agents for bacterial skin infections, containing at least one polymeric complex substantially consisting of hydrogen peroxide, a suitable polymer for the complex formation thereof, possibly another bactericidal compound and possibly a metal salt or a metal colloid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 39 OF 72 USPATFULL
AN 2001:63230 USPATFULL
TI Liquid sunscreen **compositions** which both deposit and lather well
IN Morgan, Leslie Jo, Chatham, NJ, United States
Puvvada, Sudhakar, Rutherford, NJ, United States
Tsaur, Liang Sheng, Norwood, NJ, United States
Aronson, Michael Paul, West Nyack, NY, United States
Lam, Andrew, Yorktown Heights, NY, United States

Shen, Shiji, Norwood, NJ, United States
Macauley, Ernest Weatherly, Morris Township, NJ, United States
PA Unilever Home & Personal Care USA, Greenwich, CT, United States (U.S. corporation)
PI US 6224852 B1 20010501
AI US 1999-298580 19990423 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina
LREP Koatz, Ronald A.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention teaches liquid sunscreen **compositions** in which level of surfactant is higher than level at which the sunscreen component(s) are still soluble in the surfactant in which they are used; and which comprise minimal levels of cationic polymer. Combination of cationic polymer (especially preferred surfactants and at minimum levels) and minimal levels of sunscreen lead to **compositions** with minimal levels of deposition and minimal SPF. Further, the **compositions** also maintain good lather.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 40 OF 72 USPATFULL
AN 2001:25445 USPATFULL
TI Cleansing and conditioning products for skin or hair with improved deposition of conditioning ingredients
IN Hasenoehrl, Erik John, Loveland, OH, United States
McAtee, David Michael, Mason, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6190678 B1 20010220
AI US 1998-148540 19980904 (9)
PRAI US 1997-58093P 19970905 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Jarvis, William R. A.; Assistant Examiner: Kim, Vickie
LREP Tsuneki, Fumiko, Allen, George W.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing product useful for both cleansing and consistently conditioning the skin or hair. These products are used by the consumer by wetting the dry product with water. The product comprises of a water insoluble substrate, a lathering surfactant, and a conditioning component having a lipid hardness value of at least about 0.02 kg. This invention also encompasses methods for providing consistent deposition of conditioning agents to the skin or hair. The invention also encompasses methods for cleansing and conditioning the skin or hair using these products and to methods for manufacturing these products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 41 OF 72 USPATFULL
AN 2000:174084 USPATFULL
TI Personal care **compositions** containing thermoplastic elastomeric graft copolymers
IN Torgerson, Peter Marte, Washington Court House, OH, United States

PA Midha, Sanjeev, Blue Ash, OH, United States
The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)

PI US 6165455 20001226

AI US 1997-897397 19970721 (8)

RLI Continuation of Ser. No. US 1995-445267, filed on 19 May 1995, now
abandoned which is a continuation of Ser. No. US 1994-269246, filed on
30 Jun 1994, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Kulkosky, Peter F.

LREP Murphy, Stephen T.

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2374

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to hair care **compositions**
containing nonpolar graft thermoplastic elastomeric copolymers and a
water insoluble volatile solvent for the copolymer. This invention
relates to styling products such as sprays and mousses, to hair
conditioning products such as rinses and leave on conditioners, and to
shampoo products useful for both cleansing and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 42 OF 72 USPATFULL
AN 2000:164582 USPATFULL
TI Matrix **composition** comprising surfactant and matrix useful for
targeted delivery articles
IN Guenin, Eric P., Trenton, NJ, United States
Trotzinka, Karen A., Wayside, NJ, United States
Smith, Leslie C., Jamesburg, NJ, United States
Teffenhart, John M., Edison, NJ, United States
McDermott, Keith J., Bridgewater, NJ, United States
Shefer, Shmuel David, East Brunswick, NJ, United States
Shefer, Adi, East Brunswick, NJ, United States
PA International Flavors & Fragrances Inc., New York, NY, United States
(U.S. corporation)
PI US 6156826 20001205
AI US 1998-208461 19981210 (9)
RLI Continuation-in-part of Ser. No. US 1997-933599, filed on 18 Sep 1997,
now patented, Pat. No. US 6042792
DT Utility
FS Granted
EXNAM Primary Examiner: Boykin, Terressa M.
LREP Liberman, Arthur L.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 66 Drawing Figure(s); 49 Drawing Page(s)
LN.CNT 1834

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are controlled, time-release microparticulate active and
bioactive **compositions** (including perfuming
compositions) for targeted delivery to surfaces such as skin,
hair and fabric and the environment proximate thereto, where the active
and bioactive materials have a calculated log.₁₀ P values of between
1 and 8 (P being the n-octanol-water partition coefficient). Such
compositions include the active or bioactive material in single
phase, solid solution in a wax or polymer matrix also having coated
thereon and/or containing a compatible surfactant. Also described are
processes and apparatus for preparing such **compositions** and
processes for using same. Furthermore, certain component(s) of the
aforementioned **compositions** in combination with one another

are novel, and other components have novel uses in increasing fragrance substantivity, particularly in hair care preparations such as hair gels and shampoos.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 43 OF 72 USPATFULL
AN 2000:160606 USPATFULL
TI Cleansing and conditioning article for skin or hair
IN McAtee, David Michael, Mason, OH, United States
Nissing, Nicholas James, Cincinnati, OH, United States
Hasenoehrl, Erik John, Loveland, OH, United States
Cabell, David William, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 6153208 20001128
AI US 1998-152034 19980911 (9)
PRAI US 1997-58608P 19970912 (60)
US 1998-72440P 19980126 (60)
US 1998-85495P 19980514 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Dodson, Shelley A.; Assistant Examiner: Lamm, Marina
LREP Allen, George W., Tsuneki, Fumiko
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 3452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a substantially dry, disposable, personal cleansing article useful for both cleansing the skin or hair, and more particularly to a disposable, cleansing article having a substrate which preferably comprises of multiple layers. These articles are used by the consumer by wetting the dry article with water. The article comprises a water insoluble substrate having at least a first portion that is wet extensible and at least a second portion that is less wet extensible than said first portion and a lathering surfactant. Preferably, the articles of the present invention further comprise a conditioning component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 44 OF 72 USPATFULL
AN 2000:131428 USPATFULL
TI Liquid **compositions** comprising stable emulsion of small
particle skin benefit agent
IN Tsaur, Liang Sheng, Norwood, NJ, United States
PA Unilever Home & Personal Care USA, division of Conopco, Greenwich, CT,
United States (U.S. corporation)
PI US 6126954 20001003
AI US 1999-286041 19990405 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Harrison, Robert H.
LREP Koatz, Ronald A.
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 707

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable aqueous liquid comprising surfactant, dispersed cationic polymer particle and small particle benefit agent. The dispersed polymer interacts with the benefit agent, without need of additional structurant to stabilize particles in solution. Further, upon dilution, enhanced

cationic deposition is achieved.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 45 OF 72 USPATFULL
AN 2000:64839 USPATFULL
TI Aqueous solution **compositions** comprising polymer hydrogel
compositions
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, United Kingdom
Aronson, Michael Paul, West Nyack, NY, United States
PA Lever Brothers Company, New York, NY, United States (U.S. corporation)
PI US 6066613 20000523
AI US 1997-965138 19971106 (8)
RLI Division of Ser. No. US 1996-703116, filed on 27 Aug 1996, now patented,
Pat. No. US 5726138
DT Utility
FS Granted
EXNAM Primary Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1436
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to hydrogel dispersions/particles capable of
trapping water insoluble beneficial agent, yet capable of disintegrating
smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 46 OF 72 USPATFULL
AN 2000:37350 USPATFULL
TI Apparatus for preparing a solid phase microparticulate
composition
IN Shefer, Adi, East Brunswick, NJ, United States
McDermott, Keith J., Bound Brook, NJ, United States
Shefer, Shmuel David, East Brunswick, NJ, United States
Tan, Chee-Teck, Middletown, NJ, United States
PA International Flavors & Fragrances Inc., New York, NY, United States
(U.S. corporation)
PI US 6042792 20000328
AI US 1997-933599 19970918 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: McKane, Elizabeth
LREP Liberman, Arthur L.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN 66 Drawing Figure(s); 49 Drawing Page(s)
LN.CNT 1903

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are controlled, time-release microparticulate active and
bioactive **compositions** (including perfuming
compositions) for targeted delivery to services such as skin,
hair and fabric and the environment proximate thereto, where the active
and bioactive materials have a calculated log.₁₀ P values of between
1 and 8 (P being the n-octanol-water partition coefficient). Such
compositions include the active or bioactive material in single
phase, solid solution in a wax or polymer matrix also having coated
thereon and/or containing a compatible surfactant. Also described are
processes and apparatus for preparing such **compositions** and
processes for using same. Furthermore, certain component(s) of the

aforementioned **compositions** in combination with one another are novel, and other components have novel uses in increasing fragrance substantivity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 47 OF 72 USPATFULL
AN 1999:150639 USPATFULL
TI Personal cleansing **compositions** containing alkoxylated ether and cationic ammonium salt for deposition of active agent upon the skin
IN Deckner, George Endel, Cincinnati, OH, United States
McManus, Richard Loren, West Chester, OH, United States
French, Dawn Marie, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5989536 19991123
AI US 1996-629790 19960409 (8)
RLI Continuation of Ser. No. US 1995-371049, filed on 10 Jan 1995, now abandoned which is a continuation of Ser. No. US 1993-161104, filed on 2 Dec 1993, now abandoned which is a continuation of Ser. No. US 1993-100957, filed on 3 Aug 1993, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Kulkosky, Peter F.
LREP Little, Darryl C.
CLMN Number of Claims: 54
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1905
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to oil-in-water emulsion **compositions** that are useful for personal cleansing and for depositing an active ingredient upon the skin surface. The active ingredient in these **compositions** has a solubility parameter from about 7 to about 13. A preferred active ingredient is salicylic acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 48 OF 72 USPATFULL
AN 1999:102422 USPATFULL
TI Polymer/hydrogen peroxide complexes
IN Breitenbach, Jorg, Mannheim, Germany, Federal Republic of
Fussnegger, Bernhard, Kirrweiler, Germany, Federal Republic of
Lang, Siegfried, Ludwigshafen, Germany, Federal Republic of
Reich, Hans-Bernd, Neuhofen, Germany, Federal Republic of
PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)
PI US 5945032 19990831
AI US 1997-935656 19970923 (8)
PRAI DE 1996-19640365 19960930
DT Utility
FS Granted
EXNAM Primary Examiner: Lovering, Richard D.
LREP Keil & Weinkauf
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 682
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polymer complexes which comprises hydrogen peroxide, a polymer suitable for complex formation with hydrogen peroxide, and at least one metal colloid and/or metal salt are prepared as described and used in

bactericidal compositions, disinfectant systems, hair cosmetic compositions and as free-radical initiators for chemical reactions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 49 OF 72 USPATFULL
AN 1999:67000 USPATFULL
TI Aqueous hair setting composition containing silicone grafted copolymer
IN Midha, Sanjeev, Blue Ash, OH, United States
Torgerson, Peter Marte, Washington Court House, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5911979 19990615
AI US 1997-807845 19970226 (8)
RLI Continuation of Ser. No. US 1995-370147, filed on 9 Jan 1995, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Harrison, Robert H.
LREP Lewis, Leonard W., Murphy, Stephen T., Rosnell, Tara M.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous hair setting composition, comprising: (a) from about 0.1% to about 15%, by weight, of a cationic, water soluble polymeric hair setting agent, said hair setting agent being a silicone macromer-grafted copolymer derived by polymerization of: (i) from about 1% to about 20%, by weight, silicone macromers; (ii) from about 5% to about 75%, by weight, nonionic, quaternizable monomers; and (iii) from about 5% to about 90%, by weight, nonionic, water soluble, non-quaternizable monomers; wherein at least about 5 wt%, of the monomers, calculated by total weight of the copolymer, are quaternized and said copolymer has a backbone having a Tg of from about 30.degree. C. to about 140.degree. C.; and (b) from about 75% to about 99.9%, by weight, water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 50 OF 72 USPATFULL
AN 1998:79114 USPATFULL
TI Shampoos with insoluble silicone conditioning agent and cationic polymer
IN Cothran, Philip Earl, Loveland, OH, United States
Gauthier, Thomas Francis, Milford, OH, United States
Coffindaffer, Timothy Woodrow, Loveland, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5776871 19980707
AI US 1997-852935 19970508 (8)
RLI Continuation of Ser. No. US 1995-428923, filed on 21 Apr 1995, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Caldarola, Glenn; Assistant Examiner: Ghyka, Alexander G.
LREP Little, Darryl C., Rosnell, Tara M., Rasser, Jacobus C.
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1320

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a anti-dandruff shampoo **composition** comprising:
(a) from about 8% to about 40%, by weight, of deterotive surfactant, said **composition** comprising from about 5% to about 40% of anionic deterotive surfactant; (b) from about 0.05% to about 5%, by weight, of a dispersed, insoluble silicone conditioning agent; (c) from about 0.01% to about 1.0%, by weight, of a stabilizing agent for the silicone conditioning agent, said stabilizing agent being a shampoo soluble cationic polymer; (d) from about 50% to about 91.5%, by weight, water; wherein said shampoo **composition** is substantially free of suspending agents selected from the group consisting of crystalline suspending agents and anionic, nonionic, and amphoteric polymeric thickening agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 51 OF 72 USPATFULL
AN 1998:61586 USPATFULL
TI Process for making aqueous solution **compositions** comprising polymer hydrogel **compositions**
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, England
Aronson, Michael Paul, West Nyack, NY, United States
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)
PI US 5759969 19980602
AI US 1996-703747 19960827 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to a process for making hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 52 OF 72 USPATFULL
AN 1998:54471 USPATFULL
TI Hair care **compositions** having styling/conditioning agent and plasticizer
IN Leitch, Steven Hilary, Maineville, OH, United States
Bartz, Lisa Jo, Cincinnati, OH, United States
Fish, Kathleen Brown, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5753216 19980519
AI US 1994-203723 19940228 (8)
RLI Continuation of Ser. No. US 1993-26144, filed on 2 Mar 1993, now abandoned which is a continuation of Ser. No. US 1991-671578, filed on 19 Mar 1991, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Venkat, Jyothsan
LREP Lewis, Leonard W., Rosnell, Tara M., Henderson, Loretta J.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings

LN.CNT 1975

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are hair care **compositions** containing a hair styling/conditioning copolymer solubilized or dispersed in a volatile silicone fluid, wherein the copolymer-volatile silicone fluid solution further comprises a nonvolatile plasticizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 53 OF 72 USPATFULL
AN 1998:51563 USPATFULL
TI **Composition** and improved pH driven method for wastewater separation using an amphoteric carboxylate and a cationic destabilizer **composition**
IN Falbaum, David J., St. Paul, MN, United States
Hei, Robert D., Cottage Grove, MN, United States
Maier, Helmut K., Golden Valley, MN, United States
Mattia, Paul J., Prior Lake, MN, United States
PA Ecolab Inc., St. Paul, MN, United States (U.S. corporation)
PI US 5750484 19980512
AI US 1997-802219 19970219 (8)
RLI Continuation of Ser. No. US 1995-429896, filed on 27 Apr 1995, now abandoned which is a continuation-in-part of Ser. No. US 1994-267664, filed on 29 Jun 1994, now patented, Pat. No. US 5523000
DT Utility
FS Granted
EXNAM Primary Examiner: McAvoy, Ellen M.
LREP Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved separation of emulsified hydrophobic organic soils can be obtained from aqueous effluents using an amphoteric carboxylate surfactant material in combination with cationic destabilizer or flocculent materials. Such a treatment in combination with an acidic pH adjustment causes the rapid separation of hydrophobic organic soils from the aqueous stream. The treated aqueous stream is environmentally compatible.

Improved laundry detergents comprising an organic amphoteric carboxylate surfactant and selected nonionic surfactants provide both cleaning for fiber and fabric containing items soiled with substantial quantities of hydrophobic soil. The pH of an effluent generated in such cleaning processes can be adjusted to an acid pH and treated with a cationic material causing a break that permits rapid and substantially complete separation of the hydrophobic organic soils from the effluent. Residual concentrations of organic soil in effluent water can be less than 250 ppm and can be as low as 10 ppm.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 54 OF 72 USPATFULL
AN 1998:25194 USPATFULL
TI Aqueous solution **compositions** comprising polymer hydrogel **compositions**
IN Tsaur, Liang Sheng, Norwood, NJ, United States
Shen, Shiji, River Edge, NJ, United States
Jobling, Margaret, Bebington, England
Aronson, Michael Paul, West Nyack, NJ, United States
PA Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)
PI US 5726138 19980310

AI US 1996-703116 19960826 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Hardee, John R.
LREP Koatz, Ronald A.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1393

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to hydrogel dispersions/particles capable of trapping water insoluble beneficial agent, yet capable of disintegrating smoothly to impart desirable in use characteristics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 55 OF 72 USPATFULL
AN 97:78166 USPATFULL
TI Personal care **compositions** containing hydrophobic linear copolymer and hydrophobic, volatile, branched hydrocarbon solvent
IN Bolich, Jr., Raymond Edward, Maineville, OH, United States
Midha, Sanjeev, Blue Ash, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5662892 19970902
AI US 1996-616402 19960315 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon
LREP Henderson, Loretta J., Sabatelli, Anthony D.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1545

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to personal care **compositions**, especially hair care **compositions**, containing hydrophobic, linear random copolymers and a hydrophobic, volatile, branched hydrocarbon solvent for the copolymer. The copolymer is formed by the copolymerization of monomer units that form a homopolymer having a T_{sub}g of at least 90.degree. C., and monomer units that form a homopolymer having a T_{sub}g of less than 25.degree. C. The hydrocarbon solvent consists essentially of one or more branched chain hydrocarbons containing from 10 to 16 carbon atoms. The invention relates to hair styling and conditioning products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 56 OF 72 USPATFULL
AN 97:47378 USPATFULL
TI Foaming cleansing products
IN Fowler, Timothy J., Cincinnati, OH, United States
Woodin, Jr., Frederick W., Middletown, OH, United States
Deckner, George E., Cincinnati, OH, United States
Gupte, Anil J., Cincinnati, OH, United States
Taniguchi, Tatsuya, Hyogo, Japan
Collias, Dimitris I., Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5635469 19970603
AI US 1996-729523 19961010 (8)
RLI Continuation of Ser. No. US 1996-602387, filed on 16 Feb 1996, now

abandoned which is a continuation of Ser. No. US 1995-438457, filed on 10 May 1995, now abandoned which is a continuation of Ser. No. US 1993-75210, filed on 10 Jun 1993, now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Caldarola, Glenn A.; Assistant Examiner: Wood, Elizabeth D.
LREP Sabatelli, Anthony D., Dabbiere, David K.
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 2449
AB The present invention relates to foam producing products useful for personal cleansing. These products comprise a foamable liquid **composition** and a foam-producing foam dispenser. These products provide a stable homogeneous foam and good lathering and cleansing characteristics. These products are very mild to the skin and are useful for moisturizing the skin and for delivering a wide variety of active ingredients to the skin.

L6 ANSWER 57 OF 72 USPATFULL
AN 97:44767 USPATFULL
TI Personal care **compositions** containing hydrophobic graft copolymer and hydrophobic, volatile solvent
IN Midha, Sanjeev, Blue Ash, OH, United States
Bolich, Jr., Raymond E., Maineville, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 5632998 19970527
AI US 1996-616847 19960315 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon
LREP Henderson, Loretta J., Howell, John M., Suter, David L.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to personal care **compositions**, especially hair care **compositions**, containing non-silicone, hydrophobic graft copolymers and a hydrophobic, volatile solvent for the copolymer, the solvent being selected from branched chain hydrocarbons, silicones and combinations thereof. This invention also relates to hair conditioners and hair styling products such as rinses, leave on conditioners, and combination shampoo products useful for cleansing, styling and conditioning the hair.

The graft polymers should satisfy the following three criteria:

- (1) the graft portion is covalently bonded to the polymeric backbone portion;
- (2) the molecular weight of the graft portion is at least about 500; and
- (3) when used in a **composition**, such as a personal care **composition** for application to the hair or skin, the polymeric backbone portion should permit the graft polymer to deposit on the intended surface, such as hair or skin.

Preferred copolymers, when dried, phase-separate into a microphase which includes the graft portion and a microphase which includes the polymeric backbone portion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 58 OF 72 USPATFULL
AN 96:96772 USPATFULL
TI Topical personal care **composition** containing
polysiloxane-grafted adhesive polymer and drying aid
IN Hughes, Kendrick J., Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 5567428 19961022
AI US 1995-566599 19951204 (8)
RLI Continuation of Ser. No. US 1995-405415, filed on 15 Mar 1995, now
abandoned which is a continuation of Ser. No. US 1993-113570, filed on
27 Aug 1993, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Lewis, Leonard W., Sabatelli, Anthony D., Dabbiere, David K.
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2149

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a topical personal care **composition**, having
improved drying time, said **composition** comprising: (a) a
polysiloxane-grafted adhesive polymer; (b) a volatile, water insoluble
solvent for said polysiloxane-grafted polymer; (c) a nonvolatile drying
aid for said polysiloxane-grafted polymer which is soluble in said
volatile solvent (b) at 45.degree. C. and is water insoluble at
25.degree. C., and is selected from the group consisting of silicone
fluids and waxes having from 1 to about 100 siloxy units, silanes, and
silicone resins and mixtures thereof; wherein the weight ratio of said
polysiloxane-grafted polymer (a) to said drying aid (c) is about 100:1
or less.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 59 OF 72 USPATFULL
AN 92:46863 USPATFULL
TI Hair styling conditioners
IN Wells, Robert L., Cincinnati, OH, United States
King, Bonnie T., Alexandria, KY, United States
Snyder, Michael A., Cincinnati, OH, United States
Frey, Donald H., Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 5120531 19920609
AI US 1990-506410 19900406 (7)
DCD 20090414
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.
LREP Lewis, Leonard W., Goldstein, Steven J.
CLMN Number of Claims: 48
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1400

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to rinse off hair conditioner
compositions comprising from about 0.2% to about 20% of certain
hair styling polymers, from about 0.2% to about 20% of certain
non-aqueous solvents for said hair styling polymers, and from about
0.05% to about 25% of a hair conditioning agent, in an aqueous base,

wherein the polymer and solvent are present in the composition as a dispersed fluid phase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 60 OF 72 USPATFULL
AN 91:22453 USPATFULL
TI Dentifrice containing stabilized enzyme
IN Dring, Timothy, Wharton, NJ, United States
McPherson, Diane, Whitehouse Station, NJ, United States
Moy, Debbie, New York, NY, United States
PA Colgate-Palmolive Company, Piscataway, NJ, United States (U.S. corporation)
PI US 5000939 19910319
AI US 1985-798136 19851114 (6)
RLI Continuation of Ser. No. US 1984-619879, filed on 12 Jun 1984, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Stone, Jacqueline
LREP McGreal, Michael J., Sullivan, Robert C., Grill, Murray M.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 699

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stable oral **compositions** containing the enzyme dextranase, a mixed surfactant system of anionic and amphoteric surfactants, and a **cationically modified** hydrolyzed collagen stabilizer, which stabilizer the dextranase in the presence of the anionic surfactant without substantially reducing its foaming and cleansing properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 61 OF 72 USPATFULL
AN 90:44262 USPATFULL
TI Low viscosity stable non-aqueous suspension containing organophilic clay and low density filler
IN Cao, Hoai-Chau, Liege, Belgium
Houben, Marie-Christine, Alleur, Belgium
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)
PI US 4931195 19900605
AI US 1989-324996 19890317 (7)
RLI Continuation of Ser. No. US 1987-102926, filed on 30 Sep 1987, now abandoned which is a continuation-in-part of Ser. No. US 1987-73551, filed on 15 Jul 1987, now patented, Pat. No. US 4828723
DT Utility
FS Granted
EXNAM Primary Examiner: Albrecht, Dennis; Assistant Examiner: Silbermann, James M.
LREP Blumenkopf, N., Sullivan, R. C., Grill, M. M.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Lecithin or certain other phosphate esters are added to a non-aqueous liquid heavy duty laundry detergent **composition** in the form of a suspension of builder salt in liquid nonionic surfactant containing small amounts of low density filler, such as hollow plastic or glass microspheres to provide stabilization against phase separation and further containing a small amount of organophilic modified clay, such as

a water-swellable smectite clay, in which the metal cations are totally or partially exchanged with mono- or di-long chain quaternary ammonium compound to provide a viscoelastic network structure. The lecithin reduces plastic viscosity and helps maintain the viscoelastic network structure over extended periods of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 62 OF 72 USPATFULL
AN 89:36393 USPATFULL
TI Stable non-aqueous suspension containing organophilic clay and low density filler
IN Cao, Hoai-Chau, Liege, Belgium
Houben, Marie-Christine, Alleur, Belgium
Julemont, Michel, Heusy, Belgium
PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)
PI US 4828723 19890509
AI US 1987-73551 19870715 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Willis, Prince E.; Assistant Examiner: Krasnow, Ronald A.
LREP Grill, M. M., Blumenkopf, N.
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A non-aqueous liquid heavy duty laundry detergent composition in the form of a suspension of builder salt in liquid nonionic surfactant is stabilized against phase separation by the addition of small amounts of low density filler, such as hollow plastic or glass microspheres. The low density particulate filler is added in an amount to equalize the densities of the continuous liquid phase and the dispersed phase. Further stabilization against phase separation under strong vibration conditions is provided by addition of a small amount of organophilic modified clay, such as a water-swellable smectite clay in which the metal cations are total or partially exchanged with mono- or di-long chain quaternary ammonium compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 63 OF 72 USPATFULL
AN 89:17177 USPATFULL
TI Treated glass fibers and aqueous dispersion and nonwoven mat of the glass fibers
IN Gaa, Peter C., Pittsburgh, PA, United States
Hedden, Jerry C., Shelby, NC, United States
Motsinger, Donald L., Forest City, NC, United States
Watkins, H. Kenyon, Pittsburgh, PA, United States
PA PPG Industries, Inc., Pittsburgh, PA, United States (U.S. corporation)
PI US 4810576 19890307
AI US 1987-80040 19870731 (7)
RLI Continuation-in-part of Ser. No. US 1985-781178, filed on 30 Sep 1985, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Gibson, Sharon A.
LREP Stachel, Kenneth J.
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1310

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Chemically treated glass fibers of the present invention perform well as wet chopped strands of glass fibers and are useful in producing glass fiber paper. In one aspect the chopped strands of glass fibers have an aqueous chemical treatment comprised of at least one water soluble, ungelled polymer having an effective viscosity, an effective film-forming capability and an effective molecular weight. In another aspect the chemically treated glass fibers have a chemical treating **composition** having a polyoxyethylene polymer as the water soluble and ungelled polymer with an effective film forming molecular weight along with water soluble, dispersible or emulsifiable aldehyde-condensate-reactable, polymeric agent, cationic lubricant or lubricating surfactant, aldehyde-condensate-reactable organo silane coupling agents and a carrier like water. The amount of the reactable polymeric agent is an effective white water compatible amount, where this agent is a polymer like either polyacrylamide or polyamide or a mixture of these. The aldehyde-condensate-reactable organo silane coupling agent can be an alkoxylated gamma aminoalkyltrialkoxy silane, a polyamino organo silane, mercapto functional organo silane or a ureido functional organo silane or a mixture thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 64 OF 72 USPATFULL
AN 87:52117 USPATFULL
TI Treated glass fibers and aqueous dispersion and nonwoven mat of the glass fibers
IN Gaa, Peter C., Pittsburgh, PA, United States
Hedden, Jerry C., Shelby, NC, United States
Raghupathi, Narasimhan, Murrysville, PA, United States
PA PPG Industries, Inc., Pittsburgh, PA, United States (U.S. corporation)
PI US 4681802 19870721
AI US 1986-834990 19860228 (6)
RLI Division of Ser. No. US 1984-658009, filed on 5 Oct 1984, now patented,
Pat. No. US 4592956
DT Utility
FS Granted
EXNAM Primary Examiner: Kendell, Lorraine T.
LREP Stachel, Kenneth J.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1,6
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1031

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Treated glass fibers having adequate protection for gathering into strands and when chopped being more dispersible in aqueous media. The treated glass fibers have a coating of an aqueous treating **composition**, wherein the solids have a cationic surfactant having one or more primary, secondary and/or tertiary amine moieties and one or more water dispersible, poly(oxyethylene-oxyalkylene) copolymer having an oxide ratio of about 78 to about 22 to about 99 to about 1 and an average molecular weight of at least 15,000, and one or more polar functional coupling agents. Optionally, the solids may also have one or more **starches** that are insoluble or only incompletely soluble in cold water. Glass fibers treated with the aqueous treating **compositions** and produced into wet or dry chopped glass fiber strands having lengths of about 1/16 of an inch (1.58 mm) to about 3 inches (76.2 mm), have good dispersibility in aqueous media with or without addition of dispersing agents. Nonwoven, sheet-like mat is produced from aqueous dispersions having the chopped treated glass fibers, where some of the water is removed and polymeric binders, commonly referred to as wet strength binders, are applied and the mat is cured. The resulting nonwoven, sheet-like mat product has very good strength properties for use as a reinforcing element for roofing

products, construction products and flooring products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 65 OF 72 USPATFULL
AN 87:32073 USPATFULL
TI Hydrophobe substituted, water-soluble cationic polysaccharides
IN Brode, II, George L., Bridgewater, NJ, United States
Kreeger, Russell L., Somerville, NJ, United States
Goddard, Errol D., Haworth, NJ, United States
Merritt, II, Frederick M., Belle Mead, NJ, United States
Braun, David B., Ridgefield, CT, United States
PA Union Carbide Corporation, Danbury, CT, United States (U.S. corporation)
PI US 4663159 19870505
AI US 1985-697241 19850201 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Peselev, Elli
LREP Gibson, Henry H.
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble, cationic polysaccharides, including quaternary nitrogen-containing cellulose ethers, containing hydrophobic substitution, are substantially water-soluble; provide aqueous solutions having enhanced viscosity, foaming and preferably improved surface properties; and possess utility in personal care, emulsions and cleansers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 66 OF 72 USPAT2
AN 2002:344625 USPAT2
TI Preparation of copolymers of carbon monoxide and an olefinically unsaturated compound in an aqueous medium
IN Schmid, Markus, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Leyrer, Reinhold J., Dannstadt, GERMANY, FEDERAL REPUBLIC OF
Chowdhry, Mubarik Mahmood, Strasbourg, FRANCE
Kristen, Marc Oliver, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 6541564 B2 20030401
AI US 2002-127508 20020423 (10)
PRAI DE 2001-125138 20010522
DT Utility
FS GRANTED
EXNAM Primary Examiner: Acquah, Samuel A.
LREP Oblon, Spivak, McClelland, Maier & Neustadt, P.C.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1757

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In a process for the metal-catalyzed preparation of copolymers of carbon monoxide and an olefinically unsaturated compound having from 2 to 20 carbon atoms in an aqueous medium, the copolymerization is carried out in the presence of a water-soluble macromolecular host compound which has a hydrophobic cavity and a hydrophilic shell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 67 OF 72 USPAT2

AN 2002:105790 USPAT2
TI Image-transfer medium for ink-jet printing, transfer printing process
using the same, and transfer printing cloth
IN Sato, Yuko, Kawasaki, JAPAN
Sakaki, Mamoru, Yamato, JAPAN
Katayama, Masato, Yokohama, JAPAN
Higuma, Masahiko, Togane, JAPAN
Kudo, Mifune, Kawasaki, JAPAN
Moriya, Kenichi, Urayasu, JAPAN
PA Canon Kabushiki Kaisha, Tokyo, JAPAN (non-U.S. corporation)
PI US 6495241 B2 20021217
AI US 1997-845439 19970425 (8)
PRAI JP 1996-130571 19960430
JP 1996-221883 19960806
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yamnitzky, Marie
LREP Fitzpatrick, Cella, Harper & Scinto
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 1934

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An image-transfer medium for ink-jet printing, comprising a releasing layer and a transfer layer containing fine particles of a thermoplastic resin and a polymeric binder, provided on a base material, wherein the polymeric binder is a thermoplastic resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 68 OF 72 USPAT2
AN 2002:78790 USPAT2
TI Thickener-rheology modifier system for personal care
compositions
IN Sorrentino, Paul M., Monmouth Jct., NJ, United States
Cottrell, Ian W., Princeton, NJ, United States
Pluyer, Johan G. L., East Millstone, NJ, United States
Babenko, Tamara, Bridgewater, NJ, United States
PA National Starch and Chemical Investment Holding Corporation, New Castle,
DE, United States (U.S. corporation)
PI US 6447803 B2 20020910
AI US 1998-134221 19980814 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Webman, Edward J.
LREP Kaiser, Esq., Karen G.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 429

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A selected thickener-rheology modifier system comprising the combination of a hydrophobically, modified alkali-soluble thickener and a polysaccharide hydrocolloid or gum or polyalkylene glycol, preferably with a surfactant and more preferably with boric acid is especially useful in personal care compositions such as hair care and skin care compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 69 OF 72 USPAT2
AN 2001:145274 USPAT2
TI Fabric softening compositions
IN Grainger, David Stephen, Wirral, UNITED KINGDOM

Green, Andrew David, Wirral, UNITED KINGDOM
Mohammadi, Mansur Sultan, Wirral, UNITED KINGDOM
PA Unilever Home & Personal Care USA, division of Conopco, Inc., Greenwich, CT, United States (U.S. corporation)
PI US 6514931 B2 20030204
AI US 2000-741396 20001220 (9)
PRAI GB 1999-30435 19991222
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hardee, John
LREP Plotkin, Ellen
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 749
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a fabric softening **composition** comprising;

(i) one or more cationic fabric softening compound(s) having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C._{sub.8}, and

(iv) at least one oily sugar derivative which is a liquid or soft solid derivative of a cyclic polyol or of a reduced saccharide, said derivative resulting from 35 to 100% of the hydroxyl groups in said polyol or in said saccharide being esterified or etherified, and wherein, the derivative has two or more ester or ether groups independently attached to a C._{sub.8}-C._{sub.22} alkyl or alkenyl chain, and

(v) a deposition aid comprising a mixture of one or more nonionic surfactant(s), and one or more one cationic polymer(s),

and wherein the weight ratio of the nonionic surfactant to the cationic polymer is in the range 10:1 to 1:10.

The invention also provides a method of treating fabric with the above **compositions**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 70 OF 72 USPAT2
AN 2001:105318 USPAT2
TI Method for preparing fabric softening **compositions**
IN Charlton, Ian David, Bebington, UNITED KINGDOM
Grainger, David Stephen, Bebington, UNITED KINGDOM
Mohammadi, Mansur Sultan, Bebington, UNITED KINGDOM
Sakya, Prabhat, Bebington, UNITED KINGDOM
PA Unilever Home & Personal Care USA, a divison of Conopco, Inc., Greenwich, CT, United States (U.S. corporation)
PI US 6436896 B2 20020820
AI US 2000-741379 20001220 (9)
PRAI GB 1999-30430 19991222
DT Utility
FS GRANTED
EXNAM Primary Examiner: Hardee, John
LREP Plotkin, Ellen
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1075

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a method for the preparation of an aqueous fabric softening **composition** comprising;

(i) at least one cationic fabric softening compound having two or more alkyl or alkenyl chains each having an average chain length equal to, or greater than, C_{sub.8} and

(ii) at least one oily sugar derivative,

wherein the cationic fabric softening compound (i), and/or the oily sugar derivative (ii) is/are separately mixed with another active component of the fabric softening **composition** to form a pre-mixture prior to the admixing of the softening compound (i) with the oily sugar derivative (ii).

The invention also provides an aqueous based fabric softening **composition** produced by the method of the invention, and, a method of treating fabrics with the **composition** so produced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 71 OF 72 WPINDEX (C) 2003 THOMSON DERWENT
AN 2001-122058 [13] WPINDEX
CR 1999-460359 [39]
DNC C2001-035320
TI Matrix **composition** for fragrance inclusion and fragrance control release, particularly for targeted delivery to a surface such as skin, contains a wax or polymer matrix and a compatible surfactant.
DC A26 A96 D21 E11 E16
IN GUENIN, E P; MCDERMOTT, K J; SHEFER, A; SHEFER, S D; SMITH, L C; TEFFENHART, J M; TROTZINKA, K A
PA (INFL) INT FLAVORS & FRAGRANCES INC
CYC 1
PI US 6156826 A 20001205 (200113)* 71p
ADT US 6156826 A CIP of US 1997-933599 19970918, US 1998-208461 19981210
FDT US 6156826 A CIP of US 6042792
PRAI US 1998-208461 19981210; US 1997-933599 19970918
AN 2001-122058 [13] WPINDEX
CR 1999-460359 [39]
AB US 6156826 A UPAB: 20011220

NOVELTY - A matrix **composition** comprises a wax or polymer matrix and a compatible surfactant, which can be :

- (a) a **cationic modified starch**;
- (b) tetra(2-hydroxypropyl) ethylenediamine;
- (c) **cetyl trimethyl ammonium chloride**; or
- (d) a **quaternary ammonium polysilane derivative**.

Surfactants (a) and (b) is in admixture with partially hydrolyzed polyvinyl acetate.

DETAILED DESCRIPTION - The matrix **composition** comprises a surfactant and a matrix material. The surfactant can be :

- (a) a RediBOND 5320 (**cationic modified starch**) in admixture with partially hydrolyzed polyvinyl acetate;
- (b) tetra(2-hydroxypropyl) ethylenediamine of formula (I), which is not useful as a surfactant but also increases the substantivity of fragrances;
- (c) **cetyl trimethyl ammonium chloride** of formula (II); or
- (d) a **quaternary ammonium polysilane derivative** of formula (III) in admixture with partially hydrolyzed polyvinyl acetate.

The polyvinyl acetate is hydrolyzed from 73-99% and has a molecular weight of 5000-67000. The matrix material can be polyamides having a molecular weight of 6000-12000, carnauba wax, candelila wax, mixtures of **cetyl palmitate** and carnauba wax or candelila wax, ozokerite wax, ceresin wax, or low density polyethylene wax having a molecular weight of 500-6000.

R = a moiety having a structure of CH₃-(CH₂)_x;

m, x = 10-100

n = 3

USE - The **composition** is used in fragrance inclusion and fragrance control release, particularly for targeted delivery to a surface such as skin, hair, and fabric. It is particularly useful in hair care preparations such as hair gels and shampoos.

ADVANTAGE - The invention provides the need for an active product, i.e., a fragrance, flavor or drug, to be controllably and sustainably released over a long period of time in an efficacious manner. It also increases fragrance substantivity, particularly in hair care preparations such as hair gels and shampoos.

Dwg.0/18

L6 ANSWER 72 OF 72 WPINDEX (C) 2003 THOMSON DERWENT
AN 1999-460359 [39] WPINDEX
CR 2001-122058 [03]
DNN N1999-344520 DNC C1999-135303
TI Controlled, time-release microparticulate active/bioactive perfuming compositions.
DC A11 A17 A18 A23 A26 A96 A97 D23 D25 E19 S03
IN MCDERMOTT, K J; SHEFER, A; SHEFER, S D; TAN, C
PA (INFL) INT FLAVORS & FRAGRANCES INC
CYC 30
PI EP 908174 A2 19990414 (199939)* EN 93p
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
RO SE SI
CA 2246639 A1 19990318 (199939) EN
JP 11171754 A 19990629 (199939) 49p
ES 2133260 T1 19990916 (199946)
CN 1240128 A 20000105 (200021)
US 6042792 A 20000328 (200023)
US 6050129 A 20000418 (200026)
JP 2000096079 A 20000404 (200027) # 46p
JP 2000121624 A 20000428 (200032) # 40p
SG 75872 A1 20001024 (200060)
ADT EP 908174 A2 EP 1998-306584 19980818; CA 2246639 A1 CA 1998-2246639
19980903; JP 11171754 A JP 1998-262610 19980917; ES 2133260 T1 EP
1998-306584 19980818; CN 1240128 A CN 1998-119646 19980917; US 6042792 A
US 1997-933599 19970918; US 6050129 A US 1997-961561 19971030; JP
2000096079 A Div ex JP 1998-262610 19980917, JP 1999-277764 19980917; JP
2000121624 A Div ex JP 1998-262610 19980917, JP 1999-277763 19980917; SG
75872 A1 SG 1998-3370 19980831
FDT ES 2133260 T1 Based on EP 908174
PRAI US 1998-64732 19980423; US 1997-933599 19970918; US 1997-961561
19971030; JP 1999-277764 19980917; JP 1999-277763 19980917
AN 1999-460359 [39] WPINDEX
CR 2001-122058 [03]
AB EP 908174 A UPAB: 20010307
NOVELTY - Novel **compositions** including tetra(2-hydroxypropyl)ethylenediamine have high perfume substantivity and are useful for targeted delivery of bioactive/active substance to skin, hair, fabric, environment etc.
DETAILED DESCRIPTION - A **composition** for fragrancing perfumable material(s) and environment proximate to it comprises ellipsoidal hydrophobic particle having a continuous outer surface and an internal matrix volume consisting of:
(i) a single phase solid solution of a matrix material selected from hydrophobic polymer(s) and hydrophobic wax(es), each having a m.pt. of 35-120 deg. C at atmospheric pressure, having dissolved in them hydrophobic fragrance material, the solution having an outer surface and an internal matrix volume; and
(ii) proximate to the outer surface, a hydrophilic surfactant. The fragrance material has a calculated log₁₀P of 1-8, in which P is the partition coefficient of the fragrance material between octanol and water.

The hydrophobic particle has an outside diameter of 0.05-20 microns, the concentration of fragrance material in the polymer or wax is 5-60 wt.% of the particle. The wt.% of the surfactant is 0.01-5 wt.% of the particle, with the wax, the surfactant and the polymer each being non-reactive with the fragrance material and one another.

INDEPENDENT CLAIMS are also included for:

(1) a mixture of **cationic modified starch**

, RediBOND 5320 (RTM) and partially hydrolyzed polyvinyl acetate, being partially hydrolyzed to an extent of 73 - 99% and having a mol wt of 5,000-67,000, with the wt ratio of the **starch: hydrolyzed polyvinyl acetate** of 2:1-1:2;

(2) a mixture of **quaternary ammonium polysilane derivative** of formula (I):

R = CH₃-(CH₂)_x-;

m, x = 10-100;

the wt ratio of **quaternary ammonium polysilane derivative**: partially hydrolyzed polyvinyl acetate is 1:2 to 2:1;

(3) a method for increasing the substantivity of a fragrance material selected from aroma chemical(s) and perfume **composition(s)** comprising intimately admixing with the fragrance material tetra(2-hydroxypropyl) ethylenediamine of formula (II):

(4) a **composition** of high fragrance substantivity comprising an intimate admixture of: (a) a fragrance material and (b) compound (II);

(5) a process for fragrancing a perfumable material having a solid surface comprising contacting the solid surface of the perfumable material with particles of the main claim;

(6) a process for preparing a hydrophobic perfume-containing material;

(7) a process for preparing a hydrophobic perfume-containing **composition**;

(8) a **composition** for effecting the targeted delivery of a bioactive/active substance to a solid surface comprising ellipsoidal hydrophobic particle(s) having a continuous outer surface and an internal matrix volume, the **composition** comprising a single phase solid solution and hydrophobic surfactant as specified in the main claim;

(9) apparatus located in an X-Y-Z three-space for simultaneously testing the diffusivity, odor character and odor intensity of a fragrance material selected from aroma chemicals and fragrance **compositions**;

(10) a process for simultaneously testing the diffusivity, odor character and odor intensity of a fragrance material comprising providing the apparatus as above, suspending a test sample containing a fragrance material in the suspension means of the apparatus and engaging the air supply means and the temperature monitor means.

USE - The particles are useful for controlled, time-release, targeted delivery of perfume **compositions** to skin, hair, fabric and the environment.

ADVANTAGE - The novel **compositions** have increased substantivity. The apparatus enables simultaneous measurement of diffusivity, odor character and odor intensity of the fragrance materials.

DESCRIPTION OF DRAWING(S) - The drawing shows the microparticle: Particle 90

Hydrophilic surfactant 93

Outer surface of single phase solid solution 91

Submicron layer of surfactant 92

Dwg. 9A/67

=> dis hist

(FILE 'HOME' ENTERED AT 15:58:00 ON 22 APR 2003)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPINDEX, WTEXTILES' ENTERED AT 15:58:13 ON 22 APR 2003

L1 4605420 S COMPOSITION
L2 153272 S L1 AND STARCH
L3 469 S L2 AND (CATIONI? (W) MODIF?)
L4 0 S L3 AND (DEGREE (W) SUBSTITUTION)
L5 332 S L3 AND (ALKONIUM OR AMMONIUM)
L6 72 S L5 AND (BENZALKONIUM OR CETYL)
L7 37 S L6 AND (PERSONAL (W) CARE OR ADHESIVE OR FLOCCULENT OR CAGU

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